

**Table 7.7**  
**Average Local Rates for Businesses with a Single Line in Urban Areas**  
(As of October 15)

| Year   | 1989         | 1990         | 1991         | 1992         | 1993         | 1994         | 1995         | 1996         | 1997         | 1998         | 1999         | 2000         | 2001         | 2002*        | 2003**       |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Monthly Representative Service Charge***                   | \$31.06      | \$30.97      | \$32.29      | \$32.45      | \$32.70      | \$32.25      | \$32.48      | \$32.58      | \$32.76      | \$32.44      | \$32.41      | \$32.18      | \$31.88      | \$30.86      | \$30.92      |
| Subscriber Line Charges                                    | 3.55         | 3.57         | 3.57         | 3.56         | 3.57         | 3.57         | 3.57         | 3.54         | 3.54         | 3.54         | 3.52         | 4.39         | 4.91         | 5.63         | 5.75         |
| Extra for Touch-Tone****                                   | 2.43         | 2.35         | 1.84         | 1.71         | 1.67         | 1.21         | 0.97         | 0.82         | 0.38         | 0.32         | 0.25         | 0.19         | 0.18         | ****         | ****         |
| Taxes, 911 and Other Charges                               | 4.21         | 4.32         | 4.42         | 4.57         | 4.63         | 4.61         | 4.79         | 4.87         | 4.99         | 4.97         | 5.03         | 5.04         | 5.45         | 5.47         | 5.72         |
| <b>Total Monthly Charge</b>                                | <b>41.25</b> | <b>41.21</b> | <b>42.12</b> | <b>42.29</b> | <b>42.57</b> | <b>41.64</b> | <b>41.80</b> | <b>41.81</b> | <b>41.67</b> | <b>41.27</b> | <b>41.21</b> | <b>41.80</b> | <b>42.43</b> | <b>41.95</b> | <b>42.40</b> |
| Monthly Charge for Flat-Rate Service                       | \$33.04      | \$33.29      | \$34.12      | \$34.06      | \$34.85      | \$34.39      | \$34.45      | \$34.42      | \$34.68      | \$34.39      | \$33.73      | \$33.45      | \$32.02      | \$32.92      | \$32.36      |
| Subscriber Line Charges                                    | 3.65         | 3.69         | 3.70         | 3.70         | 3.70         | 3.70         | 3.69         | 3.61         | 3.61         | 3.56         | 3.50         | 4.35         | 4.77         | 5.77         | 5.88         |
| Extra for Touch-Tone****                                   | 2.12         | 2.11         | 1.87         | 1.84         | 1.76         | 1.12         | 1.00         | 0.89         | 0.53         | 0.49         | 0.47         | 0.43         | 0.39         | ****         | ****         |
| Taxes, 911 and Other Charges                               | 4.90         | 4.98         | 5.22         | 5.34         | 5.50         | 5.36         | 5.58         | 5.55         | 5.58         | 5.63         | 5.49         | 5.68         | 5.98         | 8.16         | 8.19         |
| <b>Total Monthly Charge for Flat-Rate Service</b>          | <b>43.71</b> | <b>44.07</b> | <b>44.91</b> | <b>44.94</b> | <b>45.81</b> | <b>44.57</b> | <b>44.71</b> | <b>44.47</b> | <b>44.39</b> | <b>44.07</b> | <b>43.20</b> | <b>43.90</b> | <b>43.15</b> | <b>46.85</b> | <b>46.43</b> |
| Number of Sample Cities with Flat-Rate Service             | 59           | 56           | 54           | 54           | 54           | 53           | 53           | 53           | 53           | 54           | 54           | 54           | 54           | 52           | 53           |
| Monthly Charge for Measured/Message Service                | \$16.18      | \$16.17      | \$16.76      | \$16.55      | \$16.60      | \$16.74      | \$17.06      | \$17.26      | \$17.28      | \$17.16      | \$17.06      | \$16.92      | \$17.16      | \$17.56      | \$17.56      |
| 200 Five-Minute Business-Day Same-Zone Calls               | 16.11        | 16.19        | 16.70        | 17.23        | 17.57        | 17.38        | 17.15        | 17.10        | 17.18        | 17.15        | 17.24        | 17.63        | 17.56        | 16.78        | 16.49        |
| Subscriber Line Charges                                    | 3.54         | 3.55         | 3.55         | 3.54         | 3.55         | 3.55         | 3.54         | 3.51         | 3.51         | 3.53         | 3.52         | 4.39         | 4.90         | 5.56         | 5.68         |
| Extra for Touch-Tone****                                   | 2.48         | 2.39         | 1.87         | 1.73         | 1.68         | 1.22         | 0.98         | 0.83         | 0.39         | 0.33         | 0.25         | 0.20         | 0.19         | ****         | ****         |
| Taxes, 911 and Other Charges                               | 4.41         | 4.53         | 4.56         | 4.77         | 4.86         | 4.83         | 5.01         | 5.13         | 5.22         | 5.19         | 5.28         | 5.32         | 5.76         | 4.71         | 4.87         |
| <b>Total Monthly Charge for Measured/Message Service</b>   | <b>42.72</b> | <b>42.83</b> | <b>43.44</b> | <b>43.82</b> | <b>44.26</b> | <b>43.72</b> | <b>43.75</b> | <b>43.84</b> | <b>43.57</b> | <b>43.35</b> | <b>43.35</b> | <b>44.45</b> | <b>45.57</b> | <b>44.61</b> | <b>44.60</b> |
| Number of Sample Cities with Measured/Message Service      | 83           | 83           | 84           | 84           | 84           | 87           | 87           | 86           | 85           | 85           | 85           | 85           | 85           | 86           | 85           |
| Cost of a Five-Minute Business-Day Same-Zone Call          | \$0.09       | \$0.09       | \$0.09       | \$0.09       | \$0.09       | \$0.09       | \$0.09       | \$0.09       | \$0.09       | \$0.09       | \$0.09       | \$0.10       | \$0.09       | \$0.09       | \$0.09       |
| Basic Connection Charge                                    | \$71.05      | \$71.36      | \$72.75      | \$72.55      | \$71.41      | \$69.88      | \$67.87      | \$68.47      | \$68.67      | \$65.83      | \$67.87      | \$67.77      | \$67.04      | \$67.29      | \$67.26      |
| Additional Connection Charge for Touch-Tone Service****    | 1.70         | 1.89         | 1.13         | 1.19         | 1.17         | 0.92         | 0.27         | 0.17         | 0.17         | 0.12         | 0.12         | 0.12         | 0.12         | ****         | ****         |
| Taxes  | 4.06         | 4.15         | 4.32         | 4.33         | 4.25         | 4.13         | 4.17         | 4.20         | 4.45         | 4.13         | 4.53         | 4.40         | 4.69         | 5.09         | 5.36         |
| <b>Total Connection Charge</b>                             | <b>76.81</b> | <b>77.40</b> | <b>78.20</b> | <b>78.07</b> | <b>76.83</b> | <b>74.93</b> | <b>72.31</b> | <b>72.85</b> | <b>73.29</b> | <b>70.09</b> | <b>72.55</b> | <b>72.29</b> | <b>71.86</b> | <b>72.39</b> | <b>72.62</b> |
| Additional Charge If Drop Line and Connection Block Needed | \$5.92       | \$7.87       | \$6.90       | \$6.83       | \$6.64       | \$6.49       | \$7.28       | \$6.98       | \$6.54       | \$6.54       | \$6.65       | \$6.62       | \$6.62       | \$6.52       | \$6.52       |
| Lowest-Cost Inside Wiring Maintenance Plan                 | \$1.78       | \$1.91       | \$2.05       | \$2.03       | \$2.08       | \$2.26       | \$2.39       | \$2.63       | \$2.84       | \$3.04       | \$3.53       | \$3.92       | \$4.86       | \$4.73       | \$4.95       |

\* Revised figures.

\*\* Subject to revision.

\*\*\* Rate is based upon flat-rate service where available, and measured/message service with 200 five-minute same-zone business-day calls elsewhere.

\*\*\*\* Starting in 2002, additional monthly charges for touch-tone service are included in the monthly charge.

**Table 7.8**  
**Average Revenue per Minute**

|      | AT&T   | All Carriers   |                                    |                                     |
|------|--|--|------------------------------------|-------------------------------------|
|      | All Interstate<br>and International<br>Switched Services | All Interstate<br>and International<br>Switched Services | International<br>Switched Services | All Interstate<br>Switched Services |
| 1984 | \$0.32   | NA   | NA                                 | NA                                  |
| 1985 | 0.31   | NA   | NA                                 | NA                                  |
| 1986 | 0.28   | NA   | NA                                 | NA                                  |
| 1987 | 0.25   | NA   | NA                                 | NA                                  |
| 1988 | 0.23   | NA   | NA                                 | NA                                  |
| 1989 | 0.22   | NA   | NA                                 | NA                                  |
| 1990 | 0.20   | NA   | NA                                 | NA                                  |
| 1991 | 0.20   | NA   | NA                                 | NA                                  |
| 1992 | 0.19   | \$0.19   | \$1.01                             | \$0.15                              |
| 1993 | 0.19   | 0.19   | 1.02                               | 0.15                                |
| 1994 | 0.18   | 0.18   | 0.93                               | 0.14                                |
| 1995 | NA   | 0.17   | 0.91                               | 0.12                                |
| 1996 | NA   | 0.16   | 0.76                               | 0.12                                |
| 1997 | NA   | 0.15   | 0.69                               | 0.11                                |
| 1998 | NA   | 0.14   | 0.58                               | 0.11                                |
| 1999 | NA   | 0.14   | 0.54                               | 0.11                                |
| 2000 | NA   | 0.12   | 0.52                               | 0.09                                |
| 2001 | NA   | 0.10   | 0.35                               | 0.08                                |
| 2002 | NA   | 0.09   | 0.28                               | 0.07                                |

NA - Not available.

Note: Data for some prior years have been revised.

Sources: AT&T information provided by AT&T. Other estimates from Industry Analysis and Technology Division, Wireline Competition Bureau, *Telecommunications Industry Revenues* (March 2004).

**Table 7.9**  
**Standard Deviation Analysis of Residential Rates in the Sample Cities**  
**(As of October 15, 2003)**

|    |   |                 |
|----|---|-----------------|
| a. | Maximum Charge                                      | \$ 35.56        |
| b. | Minimum Charge                                      | \$ 16.30        |
| c. | Representative Monthly Charge<br>(Weighted Average) | \$ 24.75        |
| d. | Weighted Standard Deviation<br>(Std Dev)            | \$ 4.70         |
| e. | <b>Average + 2*(Std Dev)</b><br><b>( = c + 2d)</b>  | <b>\$ 34.16</b> |
| f. | Percent to Average<br>( = [e/c] * 100)              | 138%            |

**Table 7.10**  
**Historical Standard Deviation Analysis of Residential Rates in the Sample Cities**  
**(As of October 15)**

|  | 1993    | 1994    | 1995    | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    | 2003    |
|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Maximum Rate                             | \$32.68 | \$31.63 | \$30.62 | \$28.65 | \$28.78 | \$28.27 | \$28.75 | \$29.72 | \$34.75 | \$34.95 | \$35.56 |
| Minimum Rate                             | \$12.18 | \$12.18 | \$13.04 | \$13.04 | \$13.05 | \$13.05 | \$13.05 | \$13.21 | \$15.31 | \$15.93 | \$16.30 |
| Representative Monthly Rate<br>(Average) | \$19.95 | \$19.81 | \$20.01 | \$19.95 | \$19.88 | \$19.76 | \$19.93 | \$20.78 | \$22.62 | \$24.07 | \$24.75 |
| Weighted Standard Deviation<br>(Std Dev) | \$4.23  | \$4.28  | \$3.41  | \$3.28  | \$3.35  | \$3.24  | \$3.46  | \$3.57  | \$4.20  | \$4.32  | \$4.70  |
| Average + 2*(Std Dev)                    | \$28.41 | \$28.38 | \$26.84 | \$26.51 | \$26.58 | \$26.24 | \$26.85 | \$27.92 | \$31.01 | \$32.71 | \$34.16 |
| Percentage to Average                    | 142%    | 143%    | 134%    | 133%    | 134%    | 133%    | 135%    | 134%    | 137%    | 136%    | 138%    |
| Average + 3*(Std Dev)                    | \$32.65 | \$32.66 | \$30.25 | \$29.78 | \$29.93 | \$29.47 | \$30.31 | \$31.49 | \$35.21 | \$37.03 | \$38.85 |
| Percentage to Average                    | 164%    | 165%    | 151%    | 149%    | 151%    | 149%    | 152%    | 152%    | 156%    | 154%    | 157%    |

**Table 7.11**  
**Interstate Per-Line Access Charges**  
**(National Average per Month per Line) \***

| Rates in Effect |          | Charged to End Users †<br>(Subscriber Line Charges) |                            |   | Charged to Long Distance Carriers ‡<br>(Presubscribed Interexchange Carrier Charges) |                            |                       |         |
|-----------------|----------|---|----------------------------|---|--|----------------------------|-----------------------|---------|
| From            | To       | Residential<br>and<br>Single-Line<br>Business       | Non-Primary<br>Residential | Multiline<br>Business<br>and<br>Centrex | Residential<br>and<br>Single-Line<br>Business  | Non-Primary<br>Residential | Multiline<br>Business | Centrex |
| 05/26/84        | 05/31/85 | \$0.00  |                            | \$4.99                                  |  |                            |                       |         |
| 06/01/85        | 09/30/85 | 1.00  |                            | 4.99                                    |  |                            |                       |         |
| 10/01/85        | 05/31/86 | 1.00  |                            | 4.97                                    |  |                            |                       |         |
| 06/01/86        | 12/31/86 | 2.00  |                            | 4.97                                    |  |                            |                       |         |
| 01/01/87        | 06/30/87 | 2.00  |                            | 5.12                                    |  |                            |                       |         |
| 07/01/87        | 12/31/87 | 2.60  |                            | 5.12                                    |  |                            |                       |         |
| 01/01/88        | 11/30/88 | 2.60  |                            | 5.01                                    |  |                            |                       |         |
| 12/01/88        | 03/31/89 | 3.20  |                            | 5.01                                    |  |                            |                       |         |
| 04/01/89        | 12/31/89 | 3.50  |                            | 4.94                                    |  |                            |                       |         |
| 01/01/90        | 06/30/90 | 3.48  |                            | 4.84                                    |  |                            |                       |         |
| 07/01/90        | 12/31/90 | 3.48  |                            | 4.83                                    |  |                            |                       |         |
| 01/01/91        | 06/30/91 | 3.48  |                            | 4.77                                    |  |                            |                       |         |
| 07/01/91        | 11/27/91 | 3.49  |                            | 4.74                                    |  |                            |                       |         |
| 11/28/91        | 06/30/92 | 3.49  |                            | 4.76                                    |  |                            |                       |         |
| 07/01/92        | 06/30/93 | 3.49  |                            | 4.68                                    |  |                            |                       |         |
| 07/01/93        | 06/30/94 | 3.50  |                            | 5.37                                    |  |                            |                       |         |
| 07/01/94        | 06/30/95 | 3.50  |                            | 5.45                                    |  |                            |                       |         |
| 07/01/95        | 06/30/96 | 3.50  |                            | 5.50                                    |  |                            |                       |         |
| 07/01/96        | 06/30/97 | 3.50  |                            | 5.53                                    |  |                            |                       |         |
| 07/01/97        | 12/31/97 | 3.50  |                            | 5.68                                    |  |                            |                       |         |
| 01/01/98        | 06/30/98 | 3.50  | \$4.98                     | 6.92                                    | \$0.49   | \$1.50                     | \$2.52                | \$0.35  |
| 07/01/98        | 12/31/98 | 3.50  | 4.99                       | 7.11                                    | 0.49   | 1.38                       | 2.38                  | 0.38    |
| 01/01/99        | 06/30/99 | 3.50  | 5.88                       | 7.05                                    | 0.49   | 1.38                       | 2.22                  | 0.32    |
| 07/01/99        | 12/31/99 | 3.50  | 5.84                       | 6.94                                    | 0.95   | 1.77                       | 2.78                  | 0.42    |
| 01/01/00        | 06/30/00 | 3.50  | 5.81                       | 6.94                                    | 0.92   | 1.70                       | 2.44                  | 0.35    |
| 08/11/00        | 06/30/01 | 4.28  | 5.99                       | 6.88                                    | 0.00   | 0.00                       | 2.30                  | 0.37    |
| 07/01/01        | 12/31/01 | 4.78  | 5.93                       | 6.66                                    | 0.00   | 0.00                       | 1.35                  | 0.22    |
| 01/01/02        | 06/30/02 | 4.92  | 5.93                       | 6.79                                    | 0.00   | 0.00                       | 1.35                  | 0.22    |
| 07/01/02        | 06/30/03 | 5.62  | 5.88                       | 6.45                                    | 0.00   | 0.00                       | 0.48                  | 0.08    |
| 07/01/03        | 06/30/04 | 5.96  | 5.94                       | 6.37                                    | 0.00   | 0.00                       | 0.20                  | 0.04    |

\* This table shows average rates (weighted by access lines) for all local exchange carriers (LECs) that file access tariffs subject to price-cap regulation and all LECs in the National Exchange Carrier Association (NECA) pool.

† Prior to 1/01/98 carriers did not charge separate subscriber line charge (SLC) rates for primary and non-primary residential lines. Therefore, the residential and single-line business average SLCs reported prior to 1/01/98 include all residential SLC charges. The average residential and single-line business SLC rate as of 1/01/98 excludes non-primary residential SLC charges. Non-primary SLC charges are now reported separately, except for the LECs in the NECA pool, which continue to charge a single residential SLC. Under price-cap regulation, as of January 1, 2003, the caps on SLCs for primary residential and single-line business, non-primary residential, and multiline business and Centrex lines equal \$6.50, \$7.00, and \$9.20, respectively. For NECA pool companies, the residential SLC cap is \$6.50, while the multiline business and Centrex SLC cap equals \$9.20.

‡ On 1/01/98 price-cap carriers began to charge presubscribed interexchange carrier charges (PICCs). The reported PICCs are averages per line including both price-cap and NECA pool lines. While carriers do not charge different rates for Centrex and multiline business SLCs, they do charge different PICC rates for these lines. Therefore, the average multiline business and Centrex PICC rates are reported separately. However, multiline business line counts, used to compute average PICC rates, include Centrex lines for LECs in the NECA pool, which do not charge PICCs or distinguish in access filings between the two line types. On 7/01/00 price-cap carriers stopped charging residential and single line business PICCs. Therefore, under price-cap regulation, as of July 1, 2000, the caps on PICCs for primary residential and single-line business, non-primary residential, and multiline business lines equal \$0.00, \$0.00, and \$4.31, respectively. Centrex groups of 9 or fewer lines are capped at the multiline business PICC rate of \$4.31 per group. Centrex groups with more than 9 lines are capped \$0.48 per line (1/9th the multiline business rate).

Source: Access tariff filings.

**Table 7.12**  
**Interstate Per-Minute Access Charges**  
(National Average in Cents per Minute) \*

| Rates in Effect |          | Interstate Charges for Switched Access Service                 |  |  |  |
|-----------------|----------|--|--|--|--|
| From            | To       | Carrier<br>Common Line<br>per Originating<br>Access<br>Minute* | Carrier<br>Common Line<br>per Terminating<br>Access<br>Minute* | Traffic<br>Sensitive<br>per Switched<br>Minute | Non-Traffic<br>Sensitive<br>per Switched<br>Minute † |
| 05/26/84        | 01/14/85 | 5.24 ¢   | 5.24 ¢   | 3.10 ¢   |  |
| 01/15/85        | 05/31/85 | 5.43   | 5.43   | 3.10   |  |
| 06/01/85        | 09/30/85 | 4.71   | 4.71   | 3.10   |  |
| 10/01/85        | 05/31/86 | 4.33   | 4.33   | 3.10   |  |
| 06/01/86        | 12/31/86 | 3.04   | 4.33   | 3.10   |  |
| 01/01/87        | 06/30/87 | 1.55   | 4.33   | 3.10   |  |
| 07/01/87        | 12/31/87 | 0.69   | 4.33   | 3.10   |  |
| 01/01/88        | 11/30/88 | 0.00   | 4.14   | 3.10   |  |
| 12/01/88        | 02/14/89 | 0.00   | 3.39   | 3.00   |  |
| 02/15/89        | 03/31/89 | 0.00   | 3.25   | 3.00   |  |
| 04/01/89        | 12/31/89 | 1.00   | 1.83   | 3.00   |  |
| 01/01/90        | 06/30/90 | 1.00   | 1.53   | 2.50   |  |
| 07/01/90        | 12/31/90 | 1.00   | 1.23   | 2.50   |  |
| 01/01/91        | 06/30/91 | 1.00   | 1.14   | 2.40   |  |
| 07/01/91        | 06/30/92 | 0.88   | 1.06   | 2.40   |  |
| 07/01/92        | 06/30/93 | 0.79   | 0.95   | 2.40   |  |
| 07/01/93        | 06/30/94 | 0.88   | 1.16   | 2.20   |  |
| 07/01/94        | 06/30/95 | 0.84   | 1.08   | 2.10   | 0.28 ¢   |
| 07/01/95        | 06/30/96 | 0.74   | 0.89   | 1.96   | 0.21   |
| 07/01/96        | 06/30/97 | 0.72   | 0.89   | 1.95   | 0.17   |
| 07/01/97        | 12/31/97 | 0.64   | 0.84   | 1.63   | 0.14   |
| 01/01/98        | 06/30/98 | 0.68   | 0.23   | 1.29   | 0.21   |
| 07/01/98        | 12/31/98 | 0.91   | 0.20   | 0.99   | 0.30   |
| 01/01/99        | 06/30/99 | 0.82   | 0.16   | 0.98   | 0.32   |
| 07/01/99        | 12/31/99 | 0.37   | 0.10   | 0.86   | 0.28   |
| 01/01/00        | 06/30/00 | 0.32   | 0.10   | 0.86   | 0.31   |
| 08/11/00 #      | 06/30/01 | 0.23   | 0.07   | 0.52   | 0.26   |
| 07/01/01        | 12/31/01 | 0.15   | 0.07   | 0.48   | 0.24   |
| 01/01/02        | 06/30/02 | 0.15   | 0.07   | 0.47   | 0.24   |
| 07/01/02        | 06/30/03 | 0.02   | 0.01   | 0.48   | 0.22   |
| 07/01/03        | 06/30/04 | 0.00   | 0.00   | 0.48   | 0.22   |

\* This table shows average rates (weighted by minutes of use) for all local exchange carriers (LECs) that file access tariffs subject to price-cap regulation and all LECs in the National Exchange Carrier Association (NECA) pool. The average rates reported here do not include the average revenue per minute from subscriber line charges (SLCs) or primary interexchange carrier charges (PICCs), which are reported in Table 7.9.

† Non-traffic sensitive charges include charges assessed on a per-month per-unit basis. Prior to 07/01/94 these charges were included in the average traffic-sensitive rates.

‡ The total charge per conversation minute consists of charges on the originating end of the call, which are adjusted for dialing and call setup time, plus charges on the terminating end. Originating charges per conversation minute equal the carrier common line charge per originating access minute plus the traffic-sensitive charge per switched minute, both multiplied by 1.07 to account for dialing and call setup time, plus the non-traffic-sensitive charge per switched minute. Terminating charges per conversation minute equal carrier common line charges per terminating access minute plus both traffic-sensitive and non-traffic-sensitive charges per switched minute.

# Although the charges took effect on July 1, 2000, some companies made adjustments to the tariffs which did not take effect until August 11, 2000.

Source: Access tariff filings.

**Table 7.13**  
**Interstate Per-Line Access Charges by Carrier**

| Company                    | Rates Effective From 07/01/03 To 06/30/04<br>(In Dollars per Month per Line)* |                            |   |   |                            |                       |         | 2002 Average Monthly Access Lines †<br>(Thousands) |                            |   |
|----------------------------|---|----------------------------|---|---|----------------------------|-----------------------|---------|--|----------------------------|---|
|                            | Subscriber Line Charges   |                            |   | Presubscribed Interexchange Carrier Charges   |                            |                       |         |  |                            |   |
|                            | Residential<br>and<br>Single-Line<br>Business                                 | Non-Primary<br>Residential | Multiline<br>Business<br>and<br>Centrex | Residential<br>and<br>Single-Line<br>Business | Non-Primary<br>Residential | Multiline<br>Business | Centrex | Residential<br>and<br>Single-Line<br>Business      | Non-Primary<br>Residential | Multiline<br>Business<br>and<br>Centrex |
| ALLTEL - Nebraska          | 4.96  | 4.96                       | 5.71                                    | 0.00  | 0.00                       | 0.00                  | 0.00    | 206  | 13                         | 70                                      |
| BellSouth                  | 6.50  | 7.00                       | 7.13                                    | 0.00  | 0.00                       | 0.00                  | 0.00    | 14,428   | 2,214                      | 5,594                                   |
| CenturyTel ‡               | 6.50  | 7.00                       | 9.20                                    | 0.00  | 0.00                       | 2.06                  | 1.10    | 763  | 40                         | 143                                     |
| Cincinnati Bell            | 5.32  | 5.32                       | 5.32                                    | 0.00  | 0.00                       | 0.00                  | 0.00    | 649  | 75                         | 279                                     |
| Citizens                   | 6.12  | 6.44                       | 9.20                                    | 0.00  | 0.00                       | 3.81                  | 0.60    | 1,686  | 167                        | 485                                     |
| Iowa Telecom               | 6.50  | 7.00                       | 9.20                                    | 0.00  | 0.00                       | 4.31                  | 0.82    | 207  | 15                         | 43                                      |
| Qwest                      | 6.11  | 6.36                       | 6.76                                    | 0.00  | 0.00                       | 0.04                  | 0.04    | 9,761  | 1,762                      | 4,064                                   |
| SBC                        | 5.00  | 4.92                       | 4.94                                    | 0.00  | 0.00                       | 0.00                  | 0.00    | 28,792   | 6,117                      | 16,064                                  |
| Sprint                     | 5.89  | 6.00                       | 7.60                                    | 0.00  | 0.00                       | 0.06                  | 0.01    | 5,315  | 778                        | 1,727                                   |
| Valor                      | 6.46  | 7.00                       | 8.65                                    | 0.00  | 0.00                       | 2.02                  | 0.95    | 370  | 56                         | 97                                      |
| Verizon                    | 6.35  | 6.40                       | 6.83                                    | 0.00  | 0.00                       | 0.43                  | 0.07    | 32,394   | 6,359                      | 15,077                                  |
| Price Caps                 | 5.90  | 5.94                       | 6.22                                    | 0.00  | 0.00                       | 0.21                  | 0.04    | 94,570   | 17,597                     | 43,642                                  |
| NECA                       | 6.50  | NA                         | 9.20                                    | 0.00  | NA                         | 0.00                  | NA      | 10,290   | NA                         | 2,169                                   |
| All Price Caps<br>and NECA | 5.96  | 5.94                       | 6.37                                    | 0.00  | 0.00                       | 0.20                  | 0.04    | 104,860  | 17,597                     | 45,811                                  |

\* This table shows average rates (weighted by access lines) for all local exchange carriers (LECs) that file access tariffs subject to price-cap regulation and all LECs in the National Exchange Carrier Association (NECA) pool. Rates are composites of all regions and subsidiaries of each local exchange carrier. No information is available for those carriers that are not in the NECA pool, but are subject to rate-of-return regulation.

† Access line counts measure lines that companies report as qualified to receive subscriber line charges (SLCs). ISDN-BRI lines, which are charged non-primary SLC and PICC rates are included in the non-primary residential line counts. ISDN-PRI lines, which are charged rates equal to five times the multiline business SLC and PICC rates, are multiplied by five and added to multiline business counts.

‡ Data reflect only those company study areas subject to price-cap regulation.

NA: Not Available

Source: Access tariff filings.

**Table 7.14**  
**Interstate Per-Minute Access Charges by Carrier**

| Company                    | Rates Effective From 7/1/03 To 06/30/04<br>(In Cents per Minute) * |  |   |   |   | 2002 Minutes of Use |                    |                    |
|----------------------------|--|--|---|---|---|---------------------|--------------------|--------------------|
|                            | Carrier<br>Common<br>Line per<br>Originating<br>Access<br>Minute** | Carrier<br>Common<br>Line per<br>Terminating<br>Access<br>Minute** | Switched<br>Traffic<br>Sensitive<br>per<br>Access<br>Minute | Switched<br>Non-Traffic<br>Sensitive<br>per<br>Access<br>Minute † | Total<br>Charge per<br>Conversation<br>Minute ‡ | (Millions)          |                    |                    |
|                            |  |  |   |   |   | CCL<br>Originating  | CCL<br>Terminating | Local<br>Switching |
| ALLTEL - Nebraska          | 0.00   | 0.00   | 0.79  | 0.33  | 2.29  | 372                 | 369                | 741                |
| BellSouth                  | 0.00   | 0.00   | 0.36  | 0.24  | 1.23  | 23,475              | 55,742             | 64,411             |
| CenturyTel #               | 0.01   | 0.00   | 0.43  | 0.28  | 1.46  | 815                 | 2,228              | 3,061              |
| Cincinnati Bell            | 0.00   | 0.00   | 0.51  | 0.28  | 1.61  | 865                 | 2,141              | 3,008              |
| Citizens                   | 0.04   | 0.00   | 0.61  | 0.47  | 2.26  | 2,245               | 4,035              | 6,282              |
| Iowa Telecom               | 0.00   | 0.00   | 1.39  | 0.62  | 4.10  | 390                 | 339                | 730                |
| Qwest                      | 0.00   | 0.00   | 0.57  | 0.16  | 1.51  | 18,088              | 33,606             | 51,941             |
| SBC                        | 0.00   | 0.00   | 0.41  | 0.19  | 1.23  | 63,965              | 66,731             | 132,324            |
| Sprint                     | 0.00   | 0.00   | 0.60  | 0.14  | 1.51  | 5,825               | 19,008             | 24,880             |
| Valor                      | 0.00   | 0.00   | 0.79  | 0.41  | 2.45  | 332                 | 1,016              | 1,348              |
| Verizon                    | 0.00   | 0.00   | 0.42  | 0.18  | 1.24  | 44,067              | 119,169            | 163,656            |
| Price Caps                 | 0.00   | 0.00   | 0.44  | 0.20  | 1.31  | 160,440             | 304,385            | 452,382            |
| NECA                       | 0.00   | 0.00   | 1.47  | 0.75  | 4.54  | NA                  | NA                 | 19,168             |
| All Price Caps<br>and NECA | 0.00   | 0.00   | 0.48  | 0.22  | 1.44  | 160,440             | 304,385            | 471,550            |

NA: Not Available.

\* This table shows average rates (weighted by minutes of use) for all local exchange carriers (LECs) that file access tariffs subject to price-cap regulation and all LECs in the National Exchange Carrier Association (NECA) pool. Rates are composites of all regions and subsidiaries of each local exchange carrier. No information is available for those carriers that are not in the NECA pool, but are subject to rate-of-return regulation. The average rates reported here do not include the average revenue per minute from subscriber line charges (SLCs) or primary interexchange carrier charges (PICCs), which are reported in Table 7.11.

\*\* Effective 07/01/03, the carrier common line (CCL) rates for NECA carriers were eliminated.

† Non-traffic sensitive charges include charges assessed on a per-month per-unit basis. Prior to 07/01/94 these charges were included in the average traffic-sensitive rates.

‡ The total charge per conversation minute consists of charges on the originating end of the call, which are adjusted for dialing and call setup time, plus charges on the terminating end. Originating charges per conversation minute equal the carrier common line charge per originating access minute plus the traffic-sensitive charge per switched minute, both multiplied by 1.07 to account for dialing and call setup time, plus the non-traffic-sensitive charge per switched minute. Terminating charges per conversation minute equal carrier common line charges per terminating access minute plus both traffic-sensitive and non-traffic-sensitive charges per switched minute.

# Data reflect only those company study areas subject to price-cap regulation.

Source: Access tariff filings.



## 8. Network Usage and Growth

To monitor use of the public switched telephone network, the National Exchange Carrier Association (NECA) provides quarterly reports to the Commission on the volume of interstate access minutes of use (MOU) passing through the local switches. The data reported in this section include new annual data for 2002 and 2003 as well as revisions of the data that were contained in our previous reports. Also included are the latest quarterly estimates of industry total access minutes, through the fourth quarter of 2003. The minutes reported here are those minutes that pass through the incumbent local exchange carriers' switches.

Table 8.1 presents NECA information on local switching access minutes for interstate traffic that pass through the ILECs' switches. Annual data are shown for totals of the tier 1 carriers, the non-tier 1 carriers, and the industry. These figures do not include the minutes from the closed end of WATS or toll-free (800/888/877/866) calls. Table 8.2 provides quarterly industry total access minutes back to mid-1984.

Table 8.3 shows historical data on the number of local and toll calls and the number of interLATA billed access minutes for the large ILECs reporting to the Commission. Toll calls are further categorized by intraLATA, interLATA interstate and interLATA intrastate. Interstate and intrastate billed access minutes are also shown.

In 2001, based on a *Recommended Decision* of the Federal-State Joint Board on Separations, the Commission imposed an interim five-year freeze of the Part 36 jurisdictional separations categories and jurisdictional allocation factors. The freeze is in effect from July 1, 2001, to June 30, 2006, or until comprehensive separations reform is completed, whichever comes first. Under the interim freeze, price-cap carriers were required to freeze their Part 36 categories and jurisdictional allocation factors. Rate-of-return carriers, however, were given the option to not freeze the Part 36 category relationships.<sup>1</sup> In the order adopting the freeze, the Commission also concluded that carriers no longer would be required to perform separations studies, including traffic studies. Consequently, beginning with the data for 2001, the filing of dial equipment minutes (DEM) was voluntary. Very few carriers voluntarily chose to report their DEM data for 2002 and 2003 and, consequently, DEM data are no longer included in this report.

The NECA compilation of interstate access minutes of use data provided at the study area level appears in Table 8.4. This table provides annual data for the years 1999 through 2003. The study areas are sorted by state, and state totals or averages (where applicable) are provided. Within each state's listing, the study areas are arranged in numerical order by their NECA study area code.<sup>2</sup>

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1 See *Jurisdictional Separations Reform and Referral to the Federal-State Joint Board*, CC Docket No. 80-286, Report and Order, 16 FCC Rcd 11382 (2001) (*Separations Freeze Order*).

2 A study area is usually an operating company's operations in one state. The first two digits of the NECA study area code identify the state, and the remaining four digits identify the

The third column identifies whether a study area is part of a Tier 1 cost company, a Tier 2 cost company, or an average schedule company (designated by a 1, 2, or AS, respectively). The data in these tables are revised and supersede the usage data in previous reports.<sup>3</sup>

Table 8.5 provides a cross-reference table of the NECA state codes that are part of their study area codes.

The following descriptions of minutes of use measures are based on information provided by NECA:

Access MOU are "earned MOU" which are derived by dividing the earned revenues by the corresponding rate. This definition of access minutes is in agreement with the tariff review plan and ARMIS reports. Access minutes of use generating revenues have been discounted, which can produce distortions in revenue amounts. Further, revenues are normalized to include changes in terminating/originating and percent interstate use factors, billing adjustments, and the imputations of access charges (where applicable). Revenues are also calendarized, which will change derived minutes.

Access MOU include only the domestic portion of international calls. Similarly, WATS and toll-free (800/888/877/866) calls are counted only on one end of the call.<sup>4</sup> Finally, minutes include time for incomplete calls and setup time.

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study area. The numerical code for each state is shown in Table 8.5.

- 3 In cases where study areas have merged, the historical data have been restated to reflect the merger.
- 4 WATS calls generate access minutes only at the terminating end of the call and toll-free (800/888/877/866) calls generate access minutes only at the originating end of the call; both types of minutes are counted in the terminating minutes.

**Table 8.1**  
**Interstate Switched Access Minutes of Use**  
**Incumbent Local Exchange Carriers**

|             | <b>Tier 1</b>   | <b>Non Tier 1</b> | <b>Industry</b> |
|-------------|-----------------|-------------------|-----------------|
| <b>Year</b> | <b>Total</b>    | <b>Total</b>      | <b>Total</b>    |
| 1987        | 203,204,246,000 | 12,508,034,000    | 215,712,280,000 |
| 1988        | 230,398,030,000 | 14,211,388,000    | 244,609,418,000 |
| 1989        | 259,528,620,000 | 17,529,599,000    | 277,058,219,000 |
| 1990        | 287,442,326,000 | 20,005,511,000    | 307,447,837,000 |
| 1991        | 306,375,531,000 | 21,660,902,000    | 328,036,433,000 |
| 1992        | 327,172,216,000 | 22,576,902,000    | 349,749,118,000 |
| 1993        | 347,020,625,000 | 24,219,632,000    | 371,240,257,000 |
| 1994        | 374,173,198,000 | 27,230,015,000    | 401,403,213,000 |
| 1995        | 401,535,579,000 | 30,389,069,000    | 431,924,648,000 |
| 1996        | 434,718,131,000 | 33,378,468,000    | 468,096,599,000 |
| 1997        | 461,461,451,000 | 35,837,483,000    | 497,298,934,000 |
| 1998        | 481,078,173,000 | 37,749,425,000    | 518,827,598,000 |
| 1999        | 512,729,252,408 | 39,584,717,889    | 552,313,970,297 |
| 2000        | 523,927,960,784 | 42,989,761,443    | 566,917,722,227 |
| 2001        | 494,110,904,372 | 44,201,030,982    | 538,311,935,354 |
| 2002        | 441,702,330,298 | 44,437,942,318    | 486,140,272,616 |
| 2003        | 399,494,608,811 | 44,571,983,777    | 444,066,592,588 |

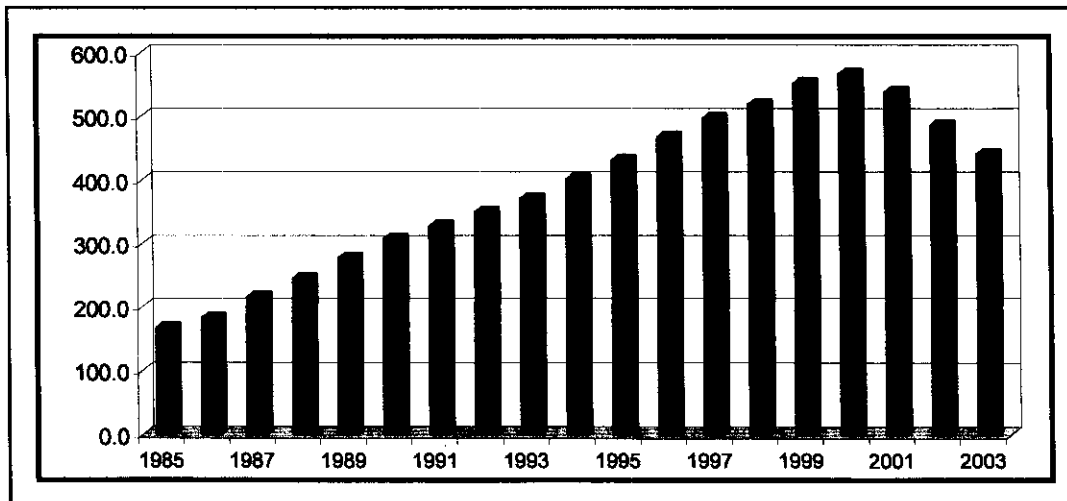
Source: National Exchange Carrier Association, various filings.

**Table 8.2**  
**Interstate Switched Access Minutes**  
**(In Billions)**

| Year | Period         | Access Minutes    | Year | Period         | Access Minutes    | Year | Period         | Access Minutes    |
|------|----------------|-------------------|------|----------------|-------------------|------|----------------|-------------------|
| 1984 | Third Quarter  | 37.5              | 1991 | First Quarter  | 79.2              | 1998 | First Quarter  | 124.0             |
|      | Fourth Quarter | 39.6              |      | Second Quarter | 81.9              |      | Second Quarter | 131.3             |
|      |                |                   |      | Third Quarter  | 82.6              |      | Third Quarter  | 130.7             |
|      |                |                   |      | Fourth Quarter | 84.4              |      | Fourth Quarter | 132.8             |
|      |                |                   |      |                | <b>Total 1991</b> |      |                | <b>Total 1998</b> |
|      |                |                   |      |                | <b>328.0</b>      |      |                | <b>518.8</b>      |
| 1985 | First Quarter  | 39.6              | 1992 | First Quarter  | 85.6              | 1999 | First Quarter  | 135.6             |
|      | Second Quarter | 41.5              |      | Second Quarter | 86.5              |      | Second Quarter | 138.1             |
|      | Third Quarter  | 42.8              |      | Third Quarter  | 87.9              |      | Third Quarter  | 138.3             |
|      | Fourth Quarter | 43.3              |      | Fourth Quarter | 89.8              |      | Fourth Quarter | 140.3             |
|      |                | <b>Total 1985</b> |      |                | <b>Total 1992</b> |      |                | <b>Total 1999</b> |
|      |                | <b>167.1</b>      |      |                | <b>349.7</b>      |      |                | <b>552.3</b>      |
| 1986 | First Quarter  | 43.0              | 1993 | First Quarter  | 90.6              | 2000 | First Quarter  | 142.6             |
|      | Second Quarter | 44.8              |      | Second Quarter | 91.2              |      | Second Quarter | 142.6             |
|      | Third Quarter  | 46.7              |      | Third Quarter  | 93.6              |      | Third Quarter  | 141.5             |
|      | Fourth Quarter | 48.5              |      | Fourth Quarter | 95.9              |      | Fourth Quarter | 140.2             |
|      |                | <b>Total 1986</b> |      |                | <b>Total 1993</b> |      |                | <b>Total 2000</b> |
|      |                | <b>183.1</b>      |      |                | <b>371.2</b>      |      |                | <b>566.9</b>      |
| 1987 | First Quarter  | 51.2              | 1994 | First Quarter  | 98.7              | 2001 | First Quarter  | 137.4             |
|      | Second Quarter | 52.5              |      | Second Quarter | 97.9              |      | Second Quarter | 136.3             |
|      | Third Quarter  | 55.0              |      | Third Quarter  | 101.9             |      | Third Quarter  | 133.1             |
|      | Fourth Quarter | 57.0              |      | Fourth Quarter | 102.9             |      | Fourth Quarter | 131.4             |
|      |                | <b>Total 1987</b> |      |                | <b>Total 1994</b> |      |                | <b>Total 2001</b> |
|      |                | <b>215.7</b>      |      |                | <b>401.4</b>      |      |                | <b>538.3</b>      |
| 1988 | First Quarter  | 59.0              | 1995 | First Quarter  | 105.6             | 2002 | First Quarter  | 124.7             |
|      | Second Quarter | 59.6              |      | Second Quarter | 106.8             |      | Second Quarter | 123.9             |
|      | Third Quarter  | 62.1              |      | Third Quarter  | 109.0             |      | Third Quarter  | 119.5             |
|      | Fourth Quarter | 64.0              |      | Fourth Quarter | 110.6             |      | Fourth Quarter | 118.1             |
|      |                | <b>Total 1988</b> |      |                | <b>Total 1995</b> |      |                | <b>Total 2002</b> |
|      |                | <b>244.6</b>      |      |                | <b>431.9</b>      |      |                | <b>486.1</b>      |
| 1989 | First Quarter  | 66.2              | 1996 | First Quarter  | 115.7             | 2003 | First Quarter  | 114.2             |
|      | Second Quarter | 68.5              |      | Second Quarter | 114.7             |      | Second Quarter | 112.1             |
|      | Third Quarter  | 69.7              |      | Third Quarter  | 117.5             |      | Third Quarter  | 110.0             |
|      | Fourth Quarter | 72.6              |      | Fourth Quarter | 120.2             |      | Fourth Quarter | 107.8             |
|      |                | <b>Total 1989</b> |      |                | <b>Total 1996</b> |      |                | <b>Total 2003</b> |
|      |                | <b>277.1</b>      |      |                | <b>468.1</b>      |      |                | <b>444.1</b>      |
| 1990 | First Quarter  | 74.7              | 1997 | First Quarter  | 122.1             |      |                |                   |
|      | Second Quarter | 75.8              |      | Second Quarter | 124.4             |      |                |                   |
|      | Third Quarter  | 77.9              |      | Third Quarter  | 124.9             |      |                |                   |
|      | Fourth Quarter | 79.1              |      | Fourth Quarter | 125.8             |      |                |                   |
|      |                | <b>Total 1990</b> |      |                | <b>Total 1997</b> |      |                |                   |
|      |                | <b>307.4</b>      |      |                | <b>497.3</b>      |      |                |                   |

Source: National Exchange Carrier Association, MOU/Data/Summary of National Exchange Carrier Association (NECA) Inter-exchange Minutes of Use Data, March 23, 2004. Industry Analysis and Technology Division, Wireline Competition Bureau, *Universal Service Monitoring Report* (December 2003).

**Chart 8.1**  
**Interstate Switched Access Minutes**  
**(In Billions)**



**Table 8.3**  
**Telephone Calls and Billed Access Minutes of Large ILECs Reporting to the Commission**

| Year | Number of Carriers | Number of Telephone Calls<br>(Thousands) |                                       |            |                 |                      |                      | InterLATA Billed Access Minutes<br>(Originating and Terminating)<br>(Thousands) |             |             |
|------|--------------------|--|---------------------------------------|------------|-----------------|----------------------|----------------------|---|-------------|-------------|
|      |                    | Local Calls                              | Toll Calls Completed<br>(Originating) |            |                 |                      |                      | Total   | Interstate  | Intrastate  |
|      |                    |  | Total                                 | IntraLATA  | Total InterLATA | InterLATA Interstate | InterLATA Intrastate |   |             |             |
| 1984 | 75                 | 350,391,981                              | NA                                    | NA         | NA              | NA                   | NA                   | NA  | NA          | NA          |
| 1985 | 55                 | 365,304,830                              | NA                                    | NA         | NA              | NA                   | NA                   | NA  | NA          | NA          |
| 1986 | 57                 | 372,296,473                              | NA                                    | NA         | NA              | NA                   | NA                   | NA  | NA          | NA          |
| 1987 | 52                 | 379,864,264                              | NA                                    | NA         | NA              | NA                   | NA                   | NA  | NA          | NA          |
| 1988 | 52                 | 379,035,883                              | 67,547,342                            | 18,983,768 | 48,563,574      | 36,752,925           | 11,810,649           | NA  | NA          | NA          |
| 1989 | 51                 | 389,383,322                              | 68,547,451                            | 19,406,222 | 49,141,229      | 37,593,867           | 11,547,362           | NA  | NA          | NA          |
| 1990 | 51                 | 402,492,293                              | 63,359,346                            | 20,263,554 | 43,095,792      | 31,888,748           | 11,207,044           | NA  | NA          | NA          |
| 1991 | 52                 | 416,213,954                              | 67,333,207                            | 23,337,553 | 43,995,654      | 32,126,555           | 11,869,099           | 405,456,048   | 305,745,611 | 99,710,437  |
| 1992 | 54                 | 434,175,743                              | 71,502,090                            | 22,612,572 | 48,889,518      | 36,036,032           | 12,853,486           | 432,356,515   | 327,821,281 | 104,535,234 |
| 1993 | 53                 | 447,473,714                              | 78,077,246                            | 23,757,662 | 54,319,584      | 38,746,788           | 15,572,796           | 465,270,369   | 351,022,599 | 114,247,770 |
| 1994 | 52                 | 465,207,539                              | 83,441,709                            | 23,796,633 | 59,645,076      | 43,244,593           | 16,400,483           | 500,297,267   | 374,996,101 | 125,301,166 |
| 1995 | 53                 | 484,195,345                              | 94,051,667                            | 23,327,801 | 70,723,866      | 50,618,771           | 20,105,095           | 549,982,263   | 405,579,546 | 144,402,717 |
| 1996 | 51                 | 504,131,507                              | 94,905,927                            | 21,376,847 | 73,529,080      | 52,677,037           | 20,852,043           | 598,563,946   | 438,772,880 | 159,791,066 |
| 1997 | 51                 | 522,025,261                              | 98,424,977                            | 21,844,925 | 76,580,052      | 54,563,338           | 22,016,714           | 647,813,708   | 469,638,292 | 178,175,416 |
| 1998 | 52                 | 544,288,934                              | 96,934,938                            | 18,469,316 | 78,465,622      | 55,974,210           | 22,491,412           | 690,523,467   | 497,138,901 | 193,384,566 |
| 1999 | 52                 | 553,853,237                              | 102,245,666                           | 18,116,240 | 84,129,426      | 57,806,961           | 26,322,465           | 739,042,459   | 519,272,905 | 219,769,554 |
| 2000 | 52                 | 536,523,081                              | 105,978,596                           | 16,157,912 | 89,820,684      | 59,212,055           | 30,608,629           | 792,263,836   | 535,011,649 | 257,252,187 |
| 2001 | 52                 | 515,335,676                              | 97,849,444                            | 14,970,794 | 82,878,650      | 53,319,645           | 29,559,005           | 745,754,124   | 504,026,109 | 241,728,015 |
| 2002 | 52                 | 459,302,668                              | 89,997,279                            | 13,339,232 | 76,658,047      | 47,968,133           | 28,689,914           | 668,089,004   | 451,602,651 | 216,486,353 |

NA - Not available.

Note: Between 1987 and 1988, there were significant changes in the definitions of many of the items in this table due to the implementation of a new Uniform System of Accounts (USOA) in 1988. In 1992, some of these definitions were further refined when the reporting mechanism of the carriers was changed for the filing of 1991 data. For these reasons, there may be inconsistencies in the data reported for 1984-1987 compared to what was reported for 1988, and also between 1988 and subsequent years, as the carriers were adapting to the new USOA and automated reporting requirements.

Source: Industry Analysis and Technology Division, Wireline Competition Division, *Statistics of Communications Common Carriers 2002/2003* Edition (March 2004). Totals may be understated because certain data pertaining to the carriers included in this table are not available.

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(In Thousands)**

| Study Area ID Code          | Study Area Name        | Type | 1999                  | 2000                  | 2001                  | 2002                  | 2003                 |
|-----------------------------|------------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| <b>ALABAMA Total</b>        |                        |      | <b>7,358,143.077</b>  | <b>7,596,001.096</b>  | <b>7,175,687.208</b>  | <b>6,608,563.485</b>  | <b>6,503,087.106</b> |
| 250282                      | BLOUNTSVILLE TEL CO    | 2    | 7,735,696             | 10,124,143            | 12,087,598            | 11,419,814            | 13,418,897           |
| 250283                      | BRINDLEE MOUNTAIN      | AS   | 34,087,328            | 35,097,965            | 34,415,954            | 33,952,758            | 37,377,724           |
| 250284                      | BUTLER TEL CO          | 2    | 25,104,298            | 24,419,942            | 23,937,256            | 23,170,093            | 25,523,589           |
| 250285                      | CASTLEBERRY TEL CO     | AS   | 3,382,823             | 3,270,342             | 3,605,222             | 3,128,204             | 3,500,511            |
| 250286                      | NATIONAL OF ALABAMA    | 2    | 6,446,253             | 5,929,957             | 5,970,344             | 5,921,238             | 6,228,313            |
| 250290                      | FARMERS TEL COOP -AL   | 2    | 44,561,443            | 55,271,629            | 55,318,316            | 52,124,689            | 53,870,500           |
| 250295                      | GRACEBA TOTAL COMM     | 2    | 14,260,031            | 14,881,853            | 16,482,694            | 13,829,748            | 15,648,666           |
| 250298                      | GULF TEL CO - AL       | 2    | 186,048,853           | 184,961,140           | 188,163,075           | 185,143,356           | 188,011,451          |
| 250299                      | HAYNEVILLE TEL CO      | 2    | 5,725,085             | 6,237,742             | 6,479,547             | 6,724,154             | 6,968,189            |
| 250300                      | HOPPER TELECOMM CO     | 2    | 7,357,279             | 8,691,683             | 9,747,544             | 10,607,089            | 10,808,173           |
| 250301                      | FRONTIER-LAMAR CNTY    | AS   | 8,324,000             | 8,679,661             | 8,466,045             | 8,818,975             | 8,699,116            |
| 250302                      | ALLTEL ALABAMA         | 2    | 64,169,066            | 62,853,965            | 63,566,918            | 65,143,542            | 66,575,969           |
| 250304                      | MILLRY TEL CO          | 2    | 18,597,317            | 20,435,745            | 23,242,915            | 25,939,332            | 27,653,605           |
| 250305                      | MON-CRE TEL COOP       | 2    | 8,117,845             | 8,736,499             | 9,498,035             | 9,993,786             | 10,908,572           |
| 250306                      | FRONTIER COMM-AL       | 2    | 37,154,989            | 37,752,995            | 37,915,044            | 37,070,825            | 43,177,955           |
| 250307                      | MOUNDVILLE TEL CO      | 2    | 3,959,527             | 4,518,081             | 4,410,430             | 4,220,080             | 3,844,418            |
| 250308                      | NEW HOPE TEL COOP      | 2    | 15,365,813            | 17,485,357            | 16,950,713            | 15,590,907            | 15,127,659           |
| 250311                      | OAKMAN TEL CO (TDS)    | AS   | 4,981,523             | 4,833,345             | 4,235,135             | 3,800,614             | 3,955,425            |
| 250312                      | OTELCO TELEPHONE LLC   | AS   | 18,734,920            | 24,304,664            | 25,771,632            | 30,313,688            | 31,706,623           |
| 250314                      | PEOPLES TEL CO         | 2    | 40,967,560            | 43,000,971            | 43,057,148            | 43,540,356            | 46,074,090           |
| 250315                      | PINE BELT TEL CO       | 2    | 8,662,063             | 8,970,841             | 9,747,733             | 10,637,301            | 10,546,162           |
| 250316                      | RAGLAND TEL CO         | 2    | 2,205,971             | 2,700,215             | 3,380,511             | 3,803,253             | 3,885,773            |
| 250317                      | ROANOKE TEL CO         | 2    | 17,323,069            | 18,640,507            | 19,689,357            | 19,430,601            | 20,411,652           |
| 250318                      | FRONTIER COMM-SOUTH    | 2    | 38,143,106            | 47,213,958            | 52,622,685            | 44,689,301            | 48,081,101           |
| 250322                      | UNION SPRINGS TEL CO   | AS   | 15,012,870            | 19,125,981            | 20,507,066            | 22,295,889            | 24,820,963           |
| 255181                      | SO CENTRAL BELL-AL     | 1    | 5,882,043,553         | 6,000,749,853         | 5,538,524,622         | 5,027,144,283         | 4,839,156,213        |
| 259788                      | CENTURYTEL-AL-SOUTH    | 2    | 531,848,683           | 560,790,576           | 561,818,346           | 535,304,669           | 556,967,664          |
| 259789                      | CENTURYTEL-AL-NORTH    | 2    | 327,854,133           | 355,521,306           | 376,045,141           | 354,804,940           | 380,136,863          |
| <b>ALASKA Total</b>         |                        |      | <b>1,362,191.072</b>  | <b>1,421,671.425</b>  | <b>1,431,416.625</b>  | <b>1,418,788.471</b>  | <b>1,423,473.387</b> |
| 611449                      | ATEAC, INC             | 2    | 63,251,069            | 78,164,321            | N/A                   | N/A                   | N/A                  |
| 613000                      | ACS OF ANCHORAGE       | 2    | 515,572,523           | 488,295,316           | 473,075,568           | 429,776,637           | 405,280,421          |
| 613001                      | ARCTIC SLOPE TEL       | 2    | 13,542,978            | 17,488,637            | 29,738,140            | 30,363,259            | 28,959,970           |
| 613002                      | BETTLES TEL CO INC     | 2    | 273,528               | 424,759               | 652,623               | 561,993               | 559,372              |
| 613003                      | BRISTOL BAY TEL COOP   | 2    | 6,883,054             | 7,087,092             | 6,123,054             | 6,096,862             | 5,515,269            |
| 613004                      | BUSH-TELL INC          | 2    | 2,510,410             | 2,826,019             | 3,519,878             | 3,854,286             | 3,829,554            |
| 613005                      | CIRCLE UTILITIES       | AS   | 78,888                | 108,122               | 168,436               | 144,920               | 137,018              |
| 613006                      | COPPER VALLEY TEL      | 2    | 15,491,349            | 17,582,722            | 19,244,286            | 21,841,694            | 26,025,672           |
| 613007                      | CORDOVA TEL COOP       | 2    | 6,731,948             | 7,185,837             | 7,338,899             | 7,377,551             | 7,368,413            |
| 613008                      | ACS-FAIRBANKS, INC     | 2    | 112,835,188           | 130,250,564           | 124,543,581           | 126,492,828           | 122,390,043          |
| 613010                      | ACS-N GLACIER STATE    | 2    | 168,356,468           | 178,643,449           | 184,836,457           | 185,891,644           | 203,106,469          |
| 613011                      | INTERIOR TEL CO INC    | 2    | 27,505,726            | 30,096,228            | 49,478,505            | 50,871,833            | 46,705,178           |
| 613012                      | ACS-AK JUNEAU          | 2    | 88,730,961            | 92,851,565            | 86,547,337            | 92,164,736            | 87,168,367           |
| 613013                      | KETCHIKAN PUBLIC UT    | 2    | 46,153,293            | 47,138,540            | 47,555,961            | 43,431,036            | 41,294,135           |
| 613015                      | MATANUSKA TEL ASSOC    | 2    | 161,334,363           | 171,954,978           | 189,111,510           | 196,234,055           | 216,830,766          |
| 613016                      | MUKLUK TEL CO INC      | 2    | 2,620,059             | 3,154,784             | 12,077,666            | 13,984,296            | 15,280,218           |
| 613017                      | ALASKA TEL CO          | 2    | 13,038,146            | 16,000,098            | 38,496,098            | 41,464,663            | 40,325,660           |
| 613018                      | NUSHAGAK ELEC & TEL    | 2    | 5,516,155             | 6,192,703             | 7,132,100             | 8,494,077             | 10,221,989           |
| 613019                      | OTZ TEL CO COOPERATIVE | 2    | 9,023,921             | 10,965,715            | 13,212,598            | 15,273,992            | 14,940,978           |
| 613020                      | ACS-N SITKA            | 2    | 53,502,816            | 58,439,011            | 60,242,418            | 62,469,993            | 60,644,374           |
| 613022                      | ACS-AK GREATLAND       | 2    | 35,890,354            | 39,388,395            | 43,214,818            | 41,915,691            | 41,215,480           |
| 613023                      | UNITED UTILITIES INC   | 2    | 11,010,599            | 14,661,623            | 32,370,010            | 38,761,071            | 40,328,403           |
| 613025                      | YUKON TEL CO INC       | 2    | 1,352,018             | 1,453,795             | 1,415,285             | 1,968,091             | 1,760,997            |
| 613026                      | NORTH COUNTRY TEL CO   | AS   | 476,067               | 555,608               | 381,560               | 426,742               | 410,557              |
| 613028                      | SUMMIT TEL & TEL -AK   | 2    | 509,151               | 739,344               | 939,757               | 906,327               | 1,172,066            |
| <b>AMERICAN SOMOA Total</b> |                        |      | <b>7,334,857</b>      | <b>14,499,103</b>     | <b>13,002,577</b>     | <b>11,875,972</b>     | <b>8,397,636</b>     |
| 673900                      | AMERICAN SAMOA         | 2    | 7,334,857             | 14,499,103            | 13,002,577            | 11,875,972            | 8,397,636            |
| <b>ARIZONA Total</b>        |                        |      | <b>11,583,502.678</b> | <b>11,963,064.474</b> | <b>11,838,028.616</b> | <b>10,461,535.122</b> | <b>9,023,719.795</b> |
| 452169                      | SAN CARLOS APACHE      | 2    | 2,981,598             | 4,381,590             | 6,045,769             | 6,005,049             | 7,158,778            |
| 452171                      | ARIZONA TELEPHONE CO   | 2    | 9,341,807             | 8,548,723             | 8,961,509             | 9,556,646             | 9,484,227            |
| 452172                      | CITIZEN UTILITIES      | 2    | 352,130,407           | 408,460,391           | 427,514,977           | 451,066,681           | 437,033,636          |
| 452173                      | TOHONO O'ODHAM UTIL    | 2    | 4,576,951             | 4,870,098             | 4,895,110             | 5,376,607             | 5,602,045            |
| 452174                      | SOUTHWESTERN TEL CO    | 2    | 18,304,859            | 17,727,026            | 16,846,985            | 15,330,162            | 14,197,655           |
| 452175                      | CENTURYTEL SW-AZ       | 2    | 4,746,174             | 5,418,348             | 6,061,354             | 6,678,228             | 6,540,741            |
| 452176                      | VALLEY TEL COOP-AZ     | 2    | 28,830,239            | 28,671,553            | 28,896,885            | 31,302,874            | 30,288,254           |
| 452179                      | GILA RIVER TELECOM     | 2    | 10,840,123            | 12,511,559            | 12,709,739            | 13,657,557            | 11,396,945           |
| 452191                      | ACCIPITER COMM         | 2    | 548,560               | 747,741               | 700,031               | 678,410               | 491,244              |
| 452200                      | FORT MOJAVE TEL INC    | 2    | 4,252,470             | 5,612,823             | 5,267,081             | 4,885,360             | 5,132,151            |
| 452226                      | MIDVALE-AZ             | 2    | 1,666,892             | 2,009,206             | 2,154,365             | 2,181,393             | 2,283,480            |
| 452302                      | VERIZON CALIF - AZ     | 1    | 35,239,580            | 33,718,296            | 35,915,694            | 42,890,355            | 36,623,200           |
| 453334                      | TABLE TOP TEL CO       | 2    | 18,901,751            | 20,567,103            | 22,163,844            | 22,532,929            | 21,406,190           |
| 454426                      | CITIZENS-WHITE MTNS    | 2    | 133,858,673           | 125,344,952           | 129,316,709           | 137,033,204           | 140,502,960          |
| 454449                      | NAVAJO COMMUN-AZ       | 2    | 72,121,813            | 80,504,209            | 92,447,645            | 97,457,310            | 101,722,257          |
| 455101                      | QWEST CORP - AZ        | 1    | 10,885,160,781        | 11,203,970,856        | 10,837,874,344        | 9,608,223,533         | 8,185,730,500        |
| 457991                      | SADDLEBACK COMM CO     | 2    | N/A                   | N/A                   | 256,777               | 6,678,844             | 8,125,532            |
| <b>ARKANSAS Total</b>       |                        |      | <b>4,573,524.140</b>  | <b>5,224,235.449</b>  | <b>4,706,393.245</b>  | <b>4,495,476.861</b>  | <b>4,271,337.382</b> |
| 401142                      | CENTURYTEL NW-AR-RUS   | 2    | 309,934,409           | 531,578,273           | 321,539,125           | 358,087,829           | 320,841,490          |
| 401143                      | CENTURYTEL NW-AR-SIL   | 2    | 64,931,439            | 82,827,483            | N/A                   | N/A                   | N/A                  |
| 401143                      | CENTURYTEL NW-AR-SIL   | 2    | N/A                   | 32,500,328            | 73,862,971            | 77,356,031            | 74,820,166           |
| 401144                      | CENTURYTEL-CENTRAL A   | 2    | 266,092,002           | 466,364,871           | 294,111,759           | 277,875,850           | 268,276,363          |
| 401691                      | ALLTEL ARKANSAS INC    | 2    | 311,167,999           | 313,829,593           | 321,617,352           | 329,294,999           | 333,992,154          |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(in Thousands)**

| Study Area ID Code       | Study Area Name       | Type | 1999                  | 2000                  | 2001                  | 2002                  | 2003                  |
|--------------------------|-----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>ARKANSAS (CONT.)</b>  |                       |      |                       |                       |                       |                       |                       |
| 401692                   | ARKANSAS TEL CO       | 2    | 22,685,331            | 23,506,437            | 21,756,803            | 22,761,209            | 23,198,330            |
| 401697                   | CENTRAL ARKANSAS TEL  | 2    | 7,887,308             | 8,995,325             | 8,902,130             | 8,723,062             | 8,635,163             |
| 401698                   | CLEVELAND COUNTY TEL  | 2    | 5,875,862             | 5,807,312             | 5,586,469             | 5,922,531             | 5,833,608             |
| 401699                   | DECATUR TEL CO INC    | 2    | 4,529,370             | 4,637,446             | 4,756,300             | 4,234,060             | 4,651,320             |
| 401702                   | SOUTH ARKANSAS TEL    | 2    | 11,689,121            | 13,052,056            | 13,272,921            | 12,799,613            | 14,242,772            |
| 401704                   | LAVACA TEL CO-AR      | AS   | 4,744,782             | 5,240,472             | 5,184,663             | 5,152,394             | 5,049,881             |
| 401705                   | CENTURYTEL- ARKANSAS  | 2    | 59,924,512            | 62,577,815            | 63,938,505            | 66,458,634            | 66,367,164            |
| 401709                   | MADISON COUNTY TEL    | 2    | 8,767,477             | 9,629,205             | 9,809,985             | 10,064,739            | 12,193,428            |
| 401710                   | MAGAZINE TEL CO       | AS   | 2,244,834             | 1,665,612             | 1,644,920             | 2,104,739             | 2,689,180             |
| 401711                   | CENTURYTEL-MTN HOME   | 2    | 81,197,823            | 86,654,829            | 89,438,202            | 89,292,234            | 88,727,037            |
| 401712                   | MOUNTAIN VIEW TEL CO  | AS   | 19,135,977            | 21,626,599            | 19,006,520            | 18,508,142            | 18,299,285            |
| 401713                   | NORTH ARKANSAS TEL    | 2    | 26,689,650            | 31,119,973            | 31,359,210            | 35,753,576            | 35,751,416            |
| 401718                   | PRAIRIE GROVE TEL CO  | 2    | 22,909,535            | 24,712,046            | 26,587,369            | 27,681,063            | 29,552,576            |
| 401720                   | CENTURYTEL-REDFIELD   | 2    | 5,184,003             | 5,206,166             | 5,842,365             | 5,540,919             | 5,225,153             |
| 401721                   | RICE BELT TEL CO      | 2    | 2,148,778             | 1,636,293             | 1,386,722             | 1,807,070             | 1,988,391             |
| 401722                   | ERITTER TEL CO        | AS   | 11,135,118            | 15,602,102            | 11,700,513            | 13,005,276            | 12,072,109            |
| 401724                   | SW ARKANSAS TEL COOP  | 2    | 21,127,509            | 20,285,750            | 21,567,530            | 22,516,629            | 22,165,562            |
| 401726                   | TRI-COUNTY TEL CO-AR  | 2    | 16,905,795            | 23,879,728            | 23,581,304            | 21,823,170            | 22,474,231            |
| 401727                   | CENTURYTEL-SOUTH AR   | 2    | 6,017,787             | 9,914,107             | 7,828,237             | 7,207,387             | 7,405,616             |
| 401729                   | WALNUT HILL TEL CO    | 2    | 29,531,651            | 22,700,763            | 22,239,459            | 21,533,405            | 21,836,009            |
| 401733                   | YELCOT TEL CO INC     | 2    | 14,094,932            | 12,208,815            | 12,158,585            | 12,171,014            | 12,439,044            |
| 401734                   | YELL COUNTY TEL CO    | 2    | 12,196,718            | 12,520,271            | 12,978,713            | 12,903,295            | 12,698,894            |
| 403031                   | SCOTT COUNTY TEL CO   | 2    | 486,936               | 489,645               | 509,802               | 575,104               | 577,390               |
| 405211                   | SOUTHWESTERN BELL-AR  | 1    | 3,224,067,602         | 3,373,466,134         | 3,274,224,811         | 3,030,522,867         | 2,839,333,630         |
| <b>CALIFORNIA Total</b>  |                       |      | <b>51,790,654,858</b> | <b>53,912,063,525</b> | <b>53,705,578,768</b> | <b>48,455,267,435</b> | <b>42,768,187,466</b> |
| 542301                   | CALAVERAS TEL CO      | 2    | 5,852,030             | 7,499,789             | 8,960,182             | 6,490,187             | 6,903,831             |
| 542302                   | VERIZON CA(CONTEL)    | 1    | 818,728,029           | 873,323,114           | 909,220,491           | 879,583,561           | 858,872,071           |
| 542306                   | CITIZENS UTIL OF CA   | 2    | 255,081,252           | 268,334,589           | 294,422,940           | 305,416,623           | 295,963,807           |
| 542311                   | CAL-ORE TELEPHONE CO  | 2    | 9,605,311             | 10,043,231            | 9,329,244             | 10,147,301            | 9,831,408             |
| 542313                   | DUCOR TELEPHONE CO    | 2    | 1,520,240             | 1,939,204             | 1,843,813             | 2,258,756             | 1,999,739             |
| 542315                   | EVANS TEL CO          | 2    | 26,393,192            | 24,417,693            | 23,825,593            | 22,014,835            | 21,344,806            |
| 542316                   | FORESTHILL TEL CO     | 2    | 4,808,029             | 5,068,782             | 4,548,805             | 3,616,203             | 4,161,025             |
| 542319                   | VERIZON - CA(GTE)     | 1    | 9,467,407,073         | 9,982,360,100         | 10,429,327,509        | 9,437,341,870         | 8,625,791,259         |
| 542321                   | HAPPY VALLEY TEL CO   | 2    | 6,840,651             | 5,711,269             | 6,161,207             | 5,880,120             | 5,720,540             |
| 542322                   | HORNITOS TEL CO       | 2    | 1,088,022             | 1,063,982             | 1,061,944             | 1,057,977             | 1,030,545             |
| 542323                   | WINTERHAVEN TEL CO    | 2    | 9,430,525             | 10,268,886            | 10,666,716            | 9,337,963             | 9,583,386             |
| 542324                   | KERMAN TELEPHONE CO   | 2    | 13,626,881            | 13,629,398            | 14,356,841            | 9,512,027             | 9,737,300             |
| 542332                   | THE PONDEROSA TEL CO  | 2    | 14,843,698            | 17,264,702            | 14,174,387            | 14,837,309            | 15,442,252            |
| 542334                   | SUREWEST TEL          | 2    | 281,502,343           | 327,283,988           | 344,517,793           | 341,081,998           | 343,208,798           |
| 542338                   | SIERRA TELEPHONE CO   | 2    | 35,829,078            | 36,682,569            | 37,136,666            | 38,658,394            | 40,178,117            |
| 542339                   | THE SISKIYOU TEL CO   | 2    | 10,436,653            | 10,741,632            | 11,791,046            | 12,317,716            | 13,333,267            |
| 542343                   | VOLCANO TEL CO        | 2    | 19,419,297            | 21,088,883            | 19,088,721            | 18,229,628            | 18,933,213            |
| 542344                   | VERIZON W-COAST - CA  | 1    | 36,343,950            | 35,398,393            | 36,184,172            | 36,315,210            | 36,752,468            |
| 542346                   | PINNACLES TEL CO      | 2    | 832,446               | 756,356               | 518,285               | 517,725               | 471,703               |
| 543402                   | CITIZENS GOLDEN STATE | 2    | 29,038,776            | 32,819,932            | 30,629,901            | 31,741,309            | 30,730,199            |
| 544342                   | CITIZENS TUOLUMNE     | 2    | 12,292,089            | 9,562,438             | 11,442,425            | 11,469,360            | 12,839,078            |
| 545170                   | PACIFIC BELL          | 1    | 40,728,035,333        | 42,216,604,595        | 41,486,367,967        | 37,257,430,360        | 33,405,360,654        |
| <b>COLORADO Total</b>    |                       |      | <b>11,340,189,613</b> | <b>11,380,495,963</b> | <b>10,839,125,656</b> | <b>9,511,128,451</b>  | <b>8,562,825,103</b>  |
| 461835                   | SUNFLOWER TEL - CO    | 2    | 1,051,552             | 1,108,673             | 1,077,767             | 969,032               | 1,154,792             |
| 462178                   | AGATE MUTUAL TEL CO   | 2    | 383,944               | 337,480               | 307,539               | 313,526               | 293,897               |
| 462181                   | BIJOU TEL COOP ASSOC  | 2    | 3,802,026             | 4,096,707             | 4,800,182             | 4,493,707             | 4,212,526             |
| 462182                   | BLANCA TEL CO         | 2    | 3,044,892             | 3,185,630             | 3,337,817             | 4,119,013             | 4,777,631             |
| 462184                   | DELTA COUNTY TEL CO   | 2    | 29,704,236            | 30,353,717            | 31,046,229            | 31,174,756            | 37,223,714            |
| 462185                   | CENTURYTEL OF EAGLE   | 2    | 256,388,365           | 266,338,155           | 264,293,879           | 271,029,794           | 266,568,455           |
| 462186                   | EASTERN SLOPE RURAL   | 2    | 15,361,994            | 17,454,305            | 17,351,302            | 17,206,881            | 16,417,005            |
| 462187                   | EL PASO COUNTY TEL    | 2    | 3,786,828             | 3,786,828             | 3,786,828             | 3,786,828             | 3,786,828             |
| 462188                   | FARMERS TEL CO - CO   | 2    | 1,678,203             | 2,014,551             | 2,185,028             | 2,493,797             | 1,943,766             |
| 462190                   | HAXTUN TEL CO         | 2    | 7,060,964             | 4,615,541             | 4,650,842             | 4,686,351             | 4,607,391             |
| 462192                   | BIG SANDY TELECOM     | 2    | 2,846,382             | 3,017,445             | 3,166,877             | 3,009,716             | 3,288,377             |
| 462193                   | NUCLA-NATURITA TEL    | 2    | 4,368,702             | 4,394,463             | 4,561,907             | 4,530,333             | 4,458,048             |
| 462194                   | NUNN TEL CO           | 2    | 1,630,040             | 1,659,461             | 1,903,660             | 1,863,159             | 2,095,893             |
| 462195                   | SOUTH PARK TEL CO     | 2    | 206,183               | 348,753               | 525,262               | 719,390               | 622,482               |
| 462196                   | PEETZ COOP TEL CO     | 2    | 929,803               | 947,882               | 978,504               | 876,365               | 819,623               |
| 462197                   | PHILLIPS COUNTY TEL   | 2    | 6,574,868             | 5,988,356             | 5,827,113             | 5,829,298             | 5,774,914             |
| 462198                   | PINE DRIVE TEL CO     | AS   | 2,205,207             | 2,546,600             | 2,503,232             | 2,720,123             | 2,955,988             |
| 462199                   | PLAINS COOP TEL ASSN  | 2    | 3,909,768             | 5,165,992             | 4,764,081             | 4,683,109             | 4,340,016             |
| 462201                   | RICO TEL CO           | 2    | 705,783               | 646,602               | 663,591               | 651,800               | 725,688               |
| 462202                   | ROGGEN TEL COOP CO    | 2    | 813,445               | 906,479               | 906,360               | 783,348               | 715,261               |
| 462203                   | RYE TELEPHONE CO      | 2    | 7,741,668             | 8,336,917             | 8,955,167             | 9,192,821             | 9,144,905             |
| 462204                   | COLUMBINE ACQ CORP    | 2    | 5,088,272             | 5,439,490             | 5,233,383             | 5,632,000             | 6,064,401             |
| 462206                   | STONEHAM COOP TEL CO  | AS   | 203,309               | 185,183               | 238,136               | 207,069               | 216,343               |
| 462207                   | STRASBURG TEL CO      | 2    | 4,270,421             | 4,615,415             | 4,207,899             | 3,841,500             | 4,050,964             |
| 462208                   | CENTURYTEL-COLORADO   | 2    | 35,974,036            | 39,369,880            | 41,187,350            | 40,951,891            | 41,614,392            |
| 462209                   | WIGGINS TEL ASSOC     | 2    | 4,486,454             | 5,283,822             | 5,148,407             | 4,776,657             | 4,782,093             |
| 462210                   | WILLARD TEL CO        | AS   | 227,098               | 237,905               | 266,314               | 238,043               | 268,041               |
| 465102                   | QWEST CORP - CO       | 1    | 10,935,745,170        | 10,957,913,531        | 10,415,451,000        | 9,080,348,343         | 8,129,901,669         |
| <b>CONNECTICUT Total</b> |                       |      | <b>9,182,599,023</b>  | <b>9,436,170,191</b>  | <b>9,010,759,853</b>  | <b>8,308,545,995</b>  | <b>7,846,425,614</b>  |
| 132454                   | THE WOODBURY TEL CO   | AS   | 94,774,927            | 98,066,404            | 96,813,051            | 93,365,892            | 90,547,116            |
| 135200                   | SOUTHERN NEW ENGLAND  | 1    | 9,087,824,096         | 9,338,104,787         | 8,911,946,802         | 8,215,180,103         | 7,755,878,498         |
| <b>DELAWARE Total</b>    |                       |      | <b>2,457,963,682</b>  | <b>2,374,615,968</b>  | <b>2,355,485,209</b>  | <b>2,161,350,625</b>  | <b>1,923,653,002</b>  |
| 585010                   | VERIZON DELAWARE INC  | 1    | 2,457,963,682         | 2,374,615,968         | 2,355,485,209         | 2,161,350,625         | 1,923,653,002         |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(In Thousands)**

| Study Area ID Code                | Study Area Name       | Type | 1999                  | 2000                  | 2001                  | 2002                  | 2003                  |
|-----------------------------------|-----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>DISTRICT OF COLUMBIA Total</b> |                       |      | <b>3,183,837,101</b>  | <b>3,181,922,976</b>  | <b>3,095,374,809</b>  | <b>2,809,473,931</b>  | <b>2,518,583,821</b>  |
| 575020                            | VERIZON WA, DC INC.   | 1    | 3,183,837,101         | 3,181,922,976         | 3,095,374,809         | 2,809,473,931         | 2,518,583,821         |
| <b>FLORIDA Total</b>              |                       |      | <b>37,727,474,266</b> | <b>38,829,530,329</b> | <b>36,986,174,353</b> | <b>32,833,145,230</b> | <b>30,757,289,514</b> |
| 210291                            | GTC, INC.             | 2    | 12,258,405            | 13,888,990            | 14,281,149            | 14,304,820            | 15,742,364            |
| 210318                            | FRONTIER COMM-SOUTH   | 2    | 11,189,126            | 12,945,423            | 13,682,138            | 13,947,567            | 13,438,195            |
| 210328                            | VERIZON FLORIDA       | 1    | 7,925,608,132         | 7,987,179,741         | 7,969,513,771         | 7,473,966,717         | 7,002,542,327         |
| 210329                            | GTC, INC.             | 2    | 23,006,395            | 24,107,202            | 26,443,800            | 23,945,511            | 23,449,636            |
| 210330                            | SMART CITY TEL LLC    | 2    | 164,244,787           | 155,768,575           | 137,469,714           | 122,374,763           | 118,116,121           |
| 210331                            | ITS TELECOMM. SYS     | 2    | 10,524,466            | 12,942,355            | 12,414,916            | 13,071,835            | 15,613,830            |
| 210335                            | NORTHEAST FLORIDA     | 2    | 20,979,331            | 22,960,520            | 23,027,751            | 20,806,891            | 23,365,513            |
| 210336                            | ALL TEL FLORIDA INC.  | 2    | 205,785,752           | 224,637,033           | 227,543,662           | 234,067,724           | 248,226,764           |
| 210338                            | QUINCY TEL CO-FL DIV  | 2    | 32,444,779            | 33,463,300            | 34,366,432            | 35,144,410            | 35,662,060            |
| 210339                            | GTC, INC.             | 2    | 85,330,469            | 89,825,303            | 95,887,906            | 98,091,423            | 99,799,538            |
| 210341                            | SPRINT-FLORIDA, INC.  | 1    | 6,777,446,043         | 7,231,161,741         | 7,083,536,415         | 6,651,863,609         | 6,432,069,302         |
| 215191                            | SOUTHERN BELL - FL    | 1    | 22,458,654,581        | 23,039,650,146        | 21,348,006,699        | 18,131,559,940        | 16,729,263,864        |
| <b>GEORGIA Total</b>              |                       |      | <b>17,832,616,119</b> | <b>18,845,112,048</b> | <b>17,168,027,540</b> | <b>15,166,435,108</b> | <b>13,923,759,679</b> |
| 220324                            | VALLEY TEL CO         | AS   | 14,778,407            | 15,842,132            | 14,368,366            | 14,537,106            | 15,048,073            |
| 220338                            | QUINCY TEL CO-GA DIV  | 2    | 3,490,232             | 3,397,198             | 3,644,364             | 3,853,366             | 3,768,276             |
| 220344                            | ALMA TEL CO           | 2    | 19,393,424            | 20,990,735            | 22,215,573            | 18,618,836            | 17,640,681            |
| 220346                            | BLUE RIDGE TEL CO     | 2    | 29,100,092            | 28,810,967            | 30,870,044            | 34,432,211            | 30,872,648            |
| 220347                            | BRANTLEY TEL CO       | 2    | 13,186,550            | 14,330,360            | 14,207,919            | 15,398,144            | 17,928,010            |
| 220348                            | BULLOCH COUNTY RURAL  | 2    | 23,856,241            | 25,006,207            | 27,331,542            | 29,794,057            | 23,955,606            |
| 220351                            | CAMDEN TEL & TEL CO   | 2    | 128,048,389           | 124,154,700           | 128,159,755           | 126,285,102           | 121,962,936           |
| 220354                            | CHICKAMAUGA TEL CORP  | 2    | 18,663,751            | 19,113,005            | 17,323,597            | 18,359,111            | 18,671,556            |
| 220355                            | CITIZENS TEL CO - GA  | 2    | 12,623,936            | 13,607,423            | 14,969,794            | 13,115,522            | 13,445,289            |
| 220356                            | COASTAL UTILITIES     | 2    | 186,304,620           | 201,369,812           | 199,639,603           | 186,749,821           | 186,677,399           |
| 220357                            | ALL TEL GEORGIA INC   | 2    | 165,113,074           | 180,544,857           | 204,360,158           | 183,216,201           | 200,225,214           |
| 220358                            | DARIEN TEL CO         | 2    | 15,889,177            | 16,036,785            | 15,056,043            | 15,579,402            | 15,324,105            |
| 220360                            | ELLIJAY TEL CO        | 2    | 29,654,936            | 34,432,387            | 37,258,305            | 39,368,259            | 43,589,153            |
| 220362                            | FRONTIER FAIRMONT     | 2    | 4,836,507             | 5,310,093             | 5,576,920             | 6,396,866             | 6,744,340             |
| 220364                            | GEORGIA TEL CORP      | AS   | 20,958,077            | 19,789,656            | 20,077,767            | 21,002,027            | 22,039,528            |
| 220365                            | GLENWOOD TEL CO       | 2    | 3,384,736             | 2,988,407             | 3,319,033             | 3,642,451             | 3,206,987             |
| 220368                            | HART TEL CO           | 2    | 12,433,665            | 18,658,403            | 20,295,532            | 18,512,720            | 16,412,226            |
| 220369                            | COMSOUTH TELECOMM     | 2    | 18,849,700            | 15,829,596            | 17,323,045            | 17,921,029            | 16,631,705            |
| 220371                            | INTERSTATE TEL CO     | 2    | N/A                   | 83,321,499            | 83,227,105            | 108,252,331           | 131,326,905           |
| 220371                            | INTERSTATE TEL CO     | 2    | 30,823,431            | N/A                   | N/A                   | N/A                   | N/A                   |
| 220375                            | NELSON-BALL GROUND    | AS   | 16,459,014            | 18,094,583            | 20,706,088            | 23,784,659            | 27,807,146            |
| 220376                            | PEMBROKE TEL CO       | 2    | 10,417,424            | 8,347,457             | 7,977,890             | 8,198,624             | 9,282,679             |
| 220377                            | PLANTERS RURAL COOP   | 2    | 33,352,862            | 35,035,668            | 42,314,363            | 48,100,696            | 33,503,122            |
| 220378                            | PLANTERS RURAL COOP   | 2    | 21,194,987            | 22,341,767            | 23,564,158            | 24,776,290            | 27,158,107            |
| 220379                            | PLANT TEL CO          | 2    | 21,631,516            | 23,095,462            | 22,779,717            | 24,772,695            | 25,640,609            |
| 220380                            | PROGRESSIVE RURAL     | AS   | 8,533,199             | 8,988,965             | 9,106,901             | 9,340,567             | 10,909,222            |
| 220381                            | PUBLIC SERVICE TEL    | 2    | 28,573,186            | 34,239,948            | 35,361,286            | 35,233,347            | 40,599,738            |
| 220382                            | RINGGOLD TEL CO       | 2    | 44,497,554            | 46,307,968            | 48,434,608            | 48,158,734            | 44,105,986            |
| 220386                            | STANDARD TEL CO       | 2    | 218,747,442           | 215,230,518           | 192,657,870           | 210,145,124           | 216,141,919           |
| 220387                            | FRONTIER GEORGIA LLC  | AS   | 74,462,668            | 68,109,111            | 64,985,654            | 62,238,875            | 56,780,037            |
| 220389                            | TRENTON TEL CO        | AS   | 17,821,616            | 18,923,342            | 18,710,997            | 19,463,482            | 19,302,689            |
| 220392                            | WAVERLY HALL, LLC     | 2    | 4,741,875             | 4,669,307             | 4,659,489             | 5,004,878             | 5,390,558             |
| 220394                            | WILKES TEL & ELC CO   | 2    | 29,843,074            | 29,245,692            | 28,067,263            | 27,447,765            | 28,035,616            |
| 220395                            | ACCUCOMM TELECOMM     | AS   | 11,006,694            | 10,651,968            | 10,876,927            | 9,804,454             | 10,527,528            |
| 223036                            | GEORGIA ALL TEL TELCO | 2    | 227,575,453           | 219,585,108           | 225,199,730           | 232,799,000           | 265,213,223           |
| 223037                            | ALL TEL GEORGIA COMM  | 1    | 815,316,307           | 850,700,131           | 882,726,687           | 896,200,700           | 898,027,418           |
| 225192                            | SOUTHERN BELL - GA    | 1    | 15,497,251,303        | 16,386,030,631        | 14,652,673,439        | 12,603,930,634        | 11,299,663,443        |
| <b>GUAM Total</b>                 |                       |      | <b>190,117,866</b>    | <b>222,581,301</b>    | <b>224,793,017</b>    | <b>206,332,478</b>    | <b>209,871,639</b>    |
| 663800                            | GUAM TEL. AUTH.       | 2    | 190,117,866           | 222,581,301           | 224,793,017           | 206,332,478           | 209,871,639           |
| <b>HAWAII Total</b>               |                       |      | <b>2,144,216,647</b>  | <b>2,184,327,223</b>  | <b>2,227,299,471</b>  | <b>2,099,050,948</b>  | <b>1,858,699,602</b>  |
| 623021                            | SANDWICH ISLES COMM.  | 2    | 461,233               | 852,352               | 1,203,481             | 1,671,768             | 1,685,228             |
| 623100                            | VERIZON HAWAII - HI   | 1    | 2,143,737,722         | 2,183,474,871         | 2,226,095,990         | 2,097,379,180         | 1,857,014,374         |
| 623205                            | TELHAWAII, INC.       | 2    | 17,692                | N/A                   | N/A                   | N/A                   | N/A                   |
| <b>IDAHO Total</b>                |                       |      | <b>2,835,799,982</b>  | <b>3,001,823,085</b>  | <b>2,911,461,063</b>  | <b>2,898,529,692</b>  | <b>2,540,347,679</b>  |
| 472213                            | ALBION TEL CO-ATC     | 2    | 20,014,879            | 18,690,536            | 18,527,564            | 17,521,672            | 16,755,314            |
| 472215                            | CAMBRIDGE TEL CO      | 2    | 8,005,246             | 8,381,447             | 8,072,731             | 8,173,983             | 8,108,099             |
| 472218                            | CUSTER TEL COOP       | 2    | 8,322,421             | 8,511,792             | 7,797,719             | 7,680,376             | 7,893,724             |
| 472220                            | FILER MUTUAL TEL -ID  | 2    | 7,254,236             | 7,528,381             | 7,519,483             | 7,110,327             | 5,088,793             |
| 472221                            | FARMERS MUTUAL TEL    | 2    | 9,880,267             | 11,660,450            | 10,287,484            | 10,928,525            | 10,807,414            |
| 472222                            | Fremont Telcom        | 2    | 17,524,517            | 18,200,789            | 18,658,315            | 16,531,834            | 15,090,772            |
| 472223                            | CENTURY-GEM STATE-ID  | 2    | 5,274,378             | 5,626,913             | 4,720,066             | 5,195,480             | 5,452,533             |
| 472225                            | CENTURY TEL OF IDAHO  | 2    | 16,942,861            | 18,720,800            | 17,572,244            | 17,657,269            | 17,571,467            |
| 472226                            | MIDVALE TEL EXCH INC  | 2    | 3,561,858             | 4,293,865             | 4,381,605             | 4,467,660             | 4,858,715             |
| 472227                            | MUD LAKE TEL COOP     | AS   | 5,619,660             | 6,105,476             | 6,425,418             | 5,963,574             | 6,262,358             |
| 472230                            | POTLATCH TEL CO INC   | 2    | 7,748,074             | 7,570,355             | 6,981,038             | 7,109,596             | 7,708,830             |
| 472231                            | PROJECT MUTUAL TEL    | 2    | 25,762,253            | 27,933,016            | 26,792,996            | 26,855,332            | 26,108,194            |
| 472232                            | DIRECT COMM-ROCKLAND  | 2    | 5,893,196             | 5,633,494             | 5,376,186             | 4,769,592             | 5,071,435             |
| 472233                            | RURAL TEL CO - ID     | 2    | 4,324,355             | 2,062,563             | 1,706,637             | 1,552,561             | 1,542,369             |
| 472295                            | SILVER STAR TEL -ID   | 2    | 21,577,145            | 22,584,888            | 25,831,421            | 30,990,508            | 26,055,137            |
| 472416                            | VERIZON N WEST - ID   | 1    | 578,014,676           | 611,528,005           | 617,414,771           | 599,696,917           | 537,301,143           |
| 472423                            | INLAND TEL-ID         | 2    | 1,366,654             | 1,432,508             | 1,223,654             | 1,228,237             | 1,617,836             |
| 474427                            | CITIZENS TELECOM-ID   | 2    | 62,721,837            | 67,662,809            | 67,262,191            | 65,663,494            | 69,029,138            |
| 475103                            | QWEST CORP - ID       | 1    | 1,911,716,629         | 2,031,312,253         | 1,947,471,280         | 1,757,332,829         | 1,666,187,580         |
| 475162                            | QWEST CORP - IDAHO    | 1    | 114,275,230           | 116,382,743           | 107,438,260           | 102,099,926           | 101,816,828           |



**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(In Thousands)**

| Study Area ID Code    | Study Area Name      | Type | 1999                  | 2000                  | 2001                  | 2002                  | 2003                  |
|-----------------------|----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>ILLINOIS Total</b> |                      |      | <b>24,396,232,690</b> | <b>24,584,017,064</b> | <b>22,966,274,851</b> | <b>19,898,049,959</b> | <b>17,099,457,921</b> |
| 340976                | ADAMS TEL COOP       | AS   | 14,119,837            | 13,740,417            | 14,316,985            | 14,132,908            | 14,063,525            |
| 340978                | ALHAMBRA-GRANTFORK   | 2    | 3,670,271             | 4,482,007             | 4,098,288             | 3,925,638             | 2,852,333             |
| 340983                | CAMBRIDGE TEL CO -IL | AS   | 4,676,679             | 4,685,469             | 4,709,895             | 5,711,776             | 5,029,252             |
| 340984                | CASS TEL CO          | 2    | 8,876,399             | 8,966,236             | 8,891,847             | 8,936,293             | 8,553,712             |
| 340990                | CLARKSVILLE MUTUAL   | AS   | 617,579               | 769,325               | 645,484               | 487,140               | 425,567               |
| 340993                | CROSSVILLE TEL CO    | AS   | 2,216,545             | 2,560,403             | 2,569,515             | 2,238,014             | 2,289,500             |
| 340998                | FRONTIER-DEPUE       | AS   | 2,251,814             | 2,175,744             | 2,049,858             | 2,007,609             | 1,839,962             |
| 341003                | EGYPTIAN COOP ASSN   | 2    | 6,574,636             | 7,079,374             | 7,474,275             | 7,214,553             | 8,874,033             |
| 341004                | EL PASO TEL CO       | 2    | 3,901,347             | 4,690,723             | 4,557,013             | 4,642,623             | 4,739,677             |
| 341009                | C-R TEL CO           | 2    | 1,592,288             | 1,621,783             | 1,598,220             | 1,586,192             | 1,573,633             |
| 341011                | FRONTIER OF LAKESIDE | 2    | 2,361,976             | 2,388,613             | 2,157,537             | 2,187,590             | 2,039,963             |
| 341012                | FLAT ROCK TEL CO-OP  | 2    | 1,852,253             | 1,937,764             | 1,794,057             | 1,603,255             | 1,512,097             |
| 341015                | VERIZON NORTH - IL   | 1    | 1,778,037,718         | 1,854,229,901         | 1,749,133,525         | 1,688,096,174         | 1,592,774,568         |
| 341016                | GENESEO TEL CO       | AS   | 25,372,807            | 25,441,429            | 24,336,903            | 25,033,650            | 23,838,486            |
| 341017                | GLASFORD TEL CO      | AS   | 2,891,717             | 3,419,795             | 3,320,730             | 3,186,458             | 2,500,804             |
| 341020                | GRAFTON TEL CO       | 2    | 2,932,485             | 3,157,250             | 3,065,526             | 2,450,328             | 2,312,443             |
| 341021                | GRANDVIEW MUTUAL TEL | AS   | 308,331               | 324,486               | 322,840               | 311,263               | 218,842               |
| 341023                | GRIDLEY TEL CO       | 2    | 4,325,410             | 3,955,539             | 3,047,625             | 3,182,918             | 3,037,967             |
| 341024                | HAMILTON COUNTY TEL  | AS   | 6,117,239             | 8,052,370             | 8,559,030             | 7,141,564             | 7,125,574             |
| 341025                | SHAWNEE TELEPHONE CO | 2    | 22,273,187            | 20,422,644            | 12,138,979            | 10,839,737            | 11,091,499            |
| 341026                | HARRISONVILLE TEL CO | 2    | 74,069,706            | 76,656,891            | 73,355,924            | 67,589,107            | 62,875,354            |
| 341028                | HENRY COUNTY TEL CO  | AS   | 3,677,597             | 3,724,535             | 3,473,539             | 4,098,495             | 3,477,736             |
| 341032                | HOME TEL CO-ST JACOB | 2    | 3,527,512             | 3,837,619             | 3,464,432             | 3,074,425             | 2,243,532             |
| 341036                | VERIZON N-IL(CONTEL) | 1    | 521,226,144           | 541,422,510           | 363,706,011           | 352,767,577           | 332,238,840           |
| 341037                | IL CONSOLIDATED TEL  | 2    | 240,743,340           | 264,591,611           | 264,174,528           | 242,030,653           | 205,763,644           |
| 341038                | FRONTIER OF ILLINOIS | 2    | 15,939,017            | 15,960,533            | 12,177,565            | 10,784,285            | 10,395,913            |
| 341041                | KINSMAN MUTUAL TEL   | AS   | 222,276               | 192,214               | 210,866               | 223,232               | 171,730               |
| 341043                | LA HARPE TEL CO      | 2    | 3,132,771             | 3,919,484             | 3,586,061             | 3,680,959             | 2,459,093             |
| 341045                | LEAF RIVER TEL CO    | 2    | 1,975,633             | 2,590,843             | 1,748,372             | 1,801,202             | 1,442,964             |
| 341046                | LEONORE MUTUAL TEL   | AS   | 548,824               | 528,867               | 625,674               | 654,959               | 396,036               |
| 341047                | MCDONOUGH TEL COOP   | 2    | 9,803,298             | 11,765,495            | 10,987,908            | 11,127,361            | 9,866,394             |
| 341048                | MCNABB TEL CO        | 2    | 1,369,548             | 1,376,384             | 1,230,278             | 1,182,028             | 1,184,011             |
| 341049                | MADISON TEL CO       | 2    | 6,153,879             | 5,692,104             | 12,965,600            | 19,670,176            | 15,568,523            |
| 341050                | MARSEILLES TEL CO    | AS   | 15,624,212            | 13,279,900            | 14,714,343            | 15,530,820            | 23,782,554            |
| 341053                | METAMORA TEL CO      | AS   | 15,135,112            | 13,927,051            | 12,312,650            | 11,525,273            | 11,113,878            |
| 341054                | MID CENTURY TEL COOP | 2    | 10,671,900            | 12,186,580            | 10,559,598            | 8,989,047             | 8,632,135             |
| 341055                | FRONTIER-MIDLAND     | 2    | 18,935,307            | 22,247,466            | 15,545,727            | 12,329,710            | 11,440,082            |
| 341057                | GALLATIN RIVER COMM  | 2    | 174,372,855           | 215,939,446           | 210,664,991           | 202,652,992           | 173,382,370           |
| 341058                | MONTROSE MUTUAL TEL  | 2    | 3,696,631             | 4,023,951             | 3,858,706             | 3,177,813             | 2,955,628             |
| 341060                | MOULTRIE INDEPENDENT | 2    | 2,437,544             | 2,110,091             | 1,778,344             | 1,675,279             | 1,516,616             |
| 341061                | FRONTIER-MT PULASKI  | 2    | 4,207,906             | 4,696,660             | 4,232,605             | 3,655,401             | 3,393,197             |
| 341062                | NEW WINDSOR TEL CO   | AS   | 1,681,998             | 1,867,131             | 1,849,614             | 2,022,774             | 2,032,674             |
| 341065                | ODIN TEL EXCH INC    | 2    | 2,675,455             | 3,196,660             | 4,607,707             | 9,326,550             | 8,319,239             |
| 341066                | ONEIDA TEL EXCHANGE  | 2    | 1,475,847             | 1,737,376             | 1,562,928             | 1,747,474             | 1,603,175             |
| 341067                | FRONTIER-ORION       | 2    | 5,903,754             | 5,721,210             | 5,757,851             | 4,930,429             | 4,672,193             |
| 341073                | FRONTIER-PAIRIE      | 2    | 3,075,856             | 2,849,907             | 2,501,574             | 2,267,487             | 2,202,049             |
| 341075                | REYNOLDS TEL CO, INC | AS   | 2,071,587             | 2,091,630             | 2,017,581             | 1,969,821             | 1,445,641             |
| 341079                | FRONTIER-SCHUYLER    | 2    | 11,947,757            | 12,610,275            | 13,574,822            | 14,697,345            | 14,130,489            |
| 341086                | TONICA TEL CO        | AS   | 1,191,078             | 1,221,095             | 1,296,965             | 1,404,045             | 1,378,776             |
| 341087                | VIOLA HOME TEL CO    | AS   | 2,145,808             | 2,707,598             | 2,542,274             | 2,598,890             | 2,518,337             |
| 341088                | WABASH TEL COOP, INC | 2    | 12,144,454            | 11,423,813            | 11,502,648            | 11,483,986            | 11,652,386            |
| 341091                | WOODHULL COMMUNITY   | 2    | 2,233,142             | 2,659,686             | 3,385,646             | 3,634,860             | 3,112,756             |
| 341092                | STELLE TEL CO        | AS   | 203,840               | 151,540               | 153,112               | 165,527               | 169,918               |
| 341093                | YATES CITY TEL CO    | 2    | 1,336,416             | 1,463,270             | 1,319,308             | 1,008,295             | 799,454               |
| 341183                | CITIZENS TELECOM IL  | 2    | N/A                   | N/A                   | 275,138,791           | 302,675,495           | 270,055,708           |
| 343035                | VERIZON S-IL(CONTEL) | 1    | 105,752,395           | 114,751,970           | 94,859,693            | 91,048,443            | 83,603,446            |
| 345070                | ILLINOIS BELL TEL CO | 1    | 21,219,951,753        | 21,224,590,186        | 19,660,010,663        | 16,673,732,051        | 14,110,668,079        |
| <b>INDIANA Total</b>  |                      |      | <b>10,360,500,034</b> | <b>10,577,223,677</b> | <b>10,405,361,147</b> | <b>9,625,779,406</b>  | <b>8,685,207,680</b>  |
| 320742                | BLOOMINGDALE HOME    | 2    | 1,450,286             | 1,644,687             | 1,740,626             | 1,945,396             | 2,088,776             |
| 320744                | CAMDEN TEL CO - IN   | AS   | 2,647,858             | 2,926,968             | 2,873,593             | 3,038,022             | 2,515,701             |
| 320747                | CENTURYTEL CENTR IN  | 2    | 8,582,776             | 8,650,456             | 7,657,557             | 7,884,156             | 7,689,900             |
| 320750                | FRONTIER OF INDIANA  | AS   | 5,626,150             | 5,718,404             | 5,168,992             | 5,260,498             | 5,143,135             |
| 320751                | CITIZENS TEL CORP    | AS   | 7,373,749             | 7,899,757             | 8,257,999             | 9,515,702             | 7,872,865             |
| 320753                | CLAY CTY RURAL COOP  | 2    | 33,269,807            | 36,421,695            | 36,404,516            | 38,181,761            | 35,263,484            |
| 320756                | CRAIGVILLE TEL CO    | AS   | 2,646,962             | 3,091,432             | 3,162,329             | 3,174,318             | 3,014,623             |
| 320759                | DAVISS-MARTIN/RTC    | 2    | 4,794,082             | 6,069,431             | 7,313,711             | 8,257,371             | 8,868,069             |
| 320771                | GEETINGSVILLE TEL CO | AS   | 1,287,562             | 1,568,893             | 1,682,070             | 1,742,788             | 1,632,289             |
| 320772                | VERIZON N - IN       | 1    | 2,446,644,779         | 2,547,246,090         | 2,502,062,941         | 2,345,771,141         | 2,193,047,833         |
| 320775                | HANCOCK TELECOM      | 2    | 17,725,323            | 19,902,830            | 17,937,491            | 18,972,134            | 19,855,278            |
| 320776                | COMM CORP OF INDIANA | 2    | 24,988,129            | 24,101,030            | 23,392,684            | 22,980,654            | 22,368,141            |
| 320777                | HOME CO OF PITTSBORO | AS   | 6,690,825             | 6,640,301             | 6,069,256             | 5,753,377             | 5,799,027             |
| 320778                | HOME TEL CO INC      | AS   | 3,717,030             | 5,413,197             | 3,643,159             | 3,226,607             | 3,240,606             |
| 320779                | VERIZON N-IN(CONTEL) | 1    | 502,274,333           | 538,676,025           | 533,583,348           | 530,636,009           | 525,328,860           |
| 320783                | LIGONIER TEL CO      | 2    | 12,428,508            | 14,701,491            | 12,464,664            | 9,853,305             | 9,804,515             |
| 320788                | MERCHANTS & FARMERS  | 2    | 1,251,735             | 1,179,282             | 1,253,979             | 1,264,224             | 1,087,369             |
| 320790                | MONON TEL CO         | AS   | 5,793,155             | 6,863,139             | 6,970,300             | 7,020,180             | 6,374,371             |
| 320792                | MULBERRY COOP TEL CO | AS   | 5,565,935             | 6,567,512             | 7,147,844             | 6,460,204             | 5,633,144             |
| 320796                | NEW LISBON TEL CO    | AS   | 2,422,737             | 2,561,252             | 1,939,935             | 1,603,384             | 1,333,464             |
| 320797                | NEW PARIS TEL INC    | 2    | 6,522,148             | 6,728,601             | 6,589,933             | 6,333,045             | 6,043,591             |
| 320800                | NORTHWESTERN INDIANA | 2    | 53,483,990            | 57,589,852            | 58,968,050            | 60,014,600            | 58,548,586            |
| 320801                | CENTURYTEL OF ODON   | 2    | 3,251,192             | 3,832,777             | 3,483,364             | 4,057,608             | 4,361,529             |
| 320807                | PERRY-SPENCER RURAL  | 2    | 12,240,168            | 13,903,793            | 14,528,076            | 15,197,738            | 14,485,997            |
| 320809                | COMM CORP OF S. IN   | AS   | 4,403,816             | 4,008,479             | 3,706,204             | 3,535,937             | 3,557,748             |
| 320813                | PULASKI-WHITE RURAL  | 2    | 5,127,824             | 5,963,562             | 4,937,468             | 3,930,072             | 3,596,167             |
| 320815                | ROCHESTER TEL CO     | 2    | 19,785,792            | 21,820,408            | 21,448,488            | 21,598,521            | 20,393,420            |
| 320816                | S & W TEL CO         | AS   | 902,573               | 791,669               | 766,645               | 837,547               | 830,299               |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(in Thousands)**

| Study Area ID Code     | Study Area Name       | Type | 1999                 | 2000                 | 2001                 | 2002                 | 2003                 |
|------------------------|-----------------------|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <b>INDIANA (CONT.)</b> |                       |      |                      |                      |                      |                      |                      |
| 320818                 | SMITHVILLE TEL CO     | AS   | 72,049,644           | 77,582,553           | 76,403,108           | 75,072,001           | 78,707,259           |
| 320819                 | SE INDIANA RURAL      | 2    | 13,140,973           | 17,533,685           | 17,009,069           | 16,428,449           | 16,221,822           |
| 320825                 | SUNMAN TELECOMM CORP  | 2    | 14,716,310           | 14,201,825           | 14,433,007           | 19,249,363           | 20,939,487           |
| 320826                 | SWAYZEE TEL CO        | AS   | 2,628,644            | 3,035,927            | 2,901,079            | 2,812,752            | 2,302,019            |
| 320827                 | SWEETSER RURAL TEL    | AS   | 4,993,639            | 5,859,841            | 5,818,886            | 5,730,439            | 4,590,996            |
| 320828                 | FRONTIER-THORNTOWN    | 2    | 6,990,218            | 7,603,396            | 7,968,494            | 7,351,079            | 5,503,786            |
| 320829                 | TIPTON TEL CO         | AS   | 28,536,481           | 20,319,996           | 9,212,640            | 8,329,516            | 8,348,450            |
| 320830                 | TRI-COUNTY TEL CO     | AS   | 7,615,324            | 6,308,656            | 6,219,948            | 5,840,904            | 5,496,970            |
| 320832                 | UTC OF INDIANA        | 1    | 641,177,510          | 709,225,479          | 697,652,556          | 695,262,644          | 700,997,734          |
| 320834                 | WASHINGTON CTY RURAL  | AS   | 9,676,276            | 11,077,876           | 11,873,337           | 12,243,381           | 12,675,052           |
| 320837                 | WEST POINT TEL CO     | AS   | 1,517,095            | 1,760,364            | 1,595,402            | 1,515,891            | 1,585,338            |
| 320839                 | YEOMAN TEL CO INC     | AS   | 3,182,142            | 3,399,026            | 3,737,858            | 3,780,043            | 4,533,859            |
| 323034                 | VERIZON N-IN(ALL TEL) | 1    | 24,724,718           | 27,042,596           | 27,786,239           | 26,512,947           | 23,473,852           |
| 325060                 | INDIANA BELL TEL CO   | 1    | 6,326,651,836        | 6,309,789,434        | 6,217,470,302        | 5,597,603,698        | 4,820,054,269        |
| <b>IOWA Total</b>      |                       |      | <b>5,232,764,215</b> | <b>5,318,557,439</b> | <b>4,791,704,621</b> | <b>4,572,615,129</b> | <b>4,376,396,957</b> |
| 351096                 | HEARTLAND-HICKORYTECH | 2    | 40,677,815           | 44,645,162           | 46,399,475           | 42,746,189           | 39,339,679           |
| 351097                 | ANDREW TEL CO INC     | AS   | 627,620              | 692,188              | 778,223              | 733,437              | 649,105              |
| 351098                 | ARCADIA TEL CO        | AS   | 592,852              | 612,189              | 746,789              | 753,209              | 747,294              |
| 351101                 | ATKINS TEL CO INC     | AS   | 1,685,170            | 1,615,336            | 1,695,966            | 1,508,117            | 1,702,897            |
| 351105                 | AYRSHIRE FARMERS MUT  | 2    | 744,294              | 663,765              | 529,658              | 571,987              | 620,706              |
| 351106                 | ALPINE COMM           | 2    | 16,748,380           | 17,907,284           | 17,089,250           | 17,886,809           | 18,862,059           |
| 351107                 | BALDWIN-NASHVILLE     | AS   | 544,723              | 595,723              | 668,022              | 734,547              | 831,701              |
| 351108                 | BARNES CITY COOP      | AS   | 271,197              | 286,343              | 296,982              | 355,260              | 279,528              |
| 351110                 | BERNARD TEL CO INC    | 2    | 1,242,637            | 1,350,411            | 1,233,836            | 1,246,959            | 1,293,341            |
| 351112                 | BREDA TEL COOP        | AS   | 4,241,692            | 4,064,106            | 3,262,839            | 2,440,899            | 2,477,108            |
| 351113                 | BROOKLYN MUTUAL TEL   | AS   | 5,962,169            | 3,226,086            | 3,557,015            | 3,170,553            | 2,943,680            |
| 351114                 | THE BURT TEL CO       | AS   | 935,863              | 960,700              | 999,967              | 949,834              | 885,341              |
| 351115                 | BUTLER-BREMER MUTUAL  | AS   | 4,534,864            | 5,143,308            | 5,271,325            | 4,841,746            | 4,815,158            |
| 351116                 | CASCADE TEL CO        | AS   | 3,418,623            | 3,714,040            | 3,589,208            | 3,588,256            | 3,585,602            |
| 351119                 | CASEY MUTUAL TEL CO   | AS   | 1,247,401            | 1,277,562            | 1,349,285            | 1,303,135            | 1,405,015            |
| 351121                 | CENTER JUNCTION TEL   | AS   | 214,787              | 226,170              | 207,778              | 300,040              | 286,192              |
| 351125                 | CENTRAL SCOTT TEL CO  | AS   | 18,261,562           | 19,875,342           | 19,648,860           | 18,358,190           | 17,533,731           |
| 351126                 | CenturyTel-Chester    | AS   | 1,092,109            | 1,211,367            | 912,812              | 856,424              | 776,597              |
| 351127                 | FRONTIER OF IOWA      | 2    | 168,358,328          | 167,551,228          | 170,582,250          | 166,022,745          | 156,471,361          |
| 351129                 | THE CITIZENS MUTUAL   | 2    | 6,789,268            | 6,334,935            | 6,858,694            | 7,156,890            | 7,339,805            |
| 351130                 | CLARENCE TEL CO       | AS   | 1,869,535            | 1,883,543            | 1,908,989            | 1,931,300            | 1,786,961            |
| 351132                 | CLEAR LAKE INDEPEND   | 2    | 16,540,814           | 16,676,840           | 17,063,142           | 18,134,755           | 17,060,208           |
| 351133                 | C-M-I TEL COOP ASSN   | AS   | 1,665,994            | 1,661,628            | 1,665,664            | 1,649,839            | 1,605,747            |
| 351134                 | COLO TEL CO           | AS   | 1,512,571            | 1,546,980            | 1,590,697            | 1,446,671            | 1,411,624            |
| 351136                 | COON CREEK TEL CO     | AS   | 1,189,314            | 1,212,730            | 1,201,080            | 1,147,087            | 1,001,370            |
| 351137                 | COON VALLEY COOP TEL  | AS   | 1,178,731            | 1,284,775            | 1,257,754            | 1,323,455            | 1,264,606            |
| 351139                 | COOPERATIVE TEL CO    | AS   | 3,590,792            | 3,818,279            | 3,355,414            | 3,096,588            | 2,776,593            |
| 351141                 | CORN BELT TEL CO      | AS   | 1,746,135            | 1,847,549            | 1,659,412            | 1,618,735            | 1,577,815            |
| 351146                 | CUMBERLAND TEL CO     | AS   | 962,018              | 986,172              | 1,014,328            | 955,472              | 995,937              |
| 351147                 | DANVILLE MUTUAL TEL   | AS   | 2,468,635            | 2,698,013            | 2,724,236            | 2,667,540            | 2,180,938            |
| 351149                 | DEFIANCE TEL CO       | AS   | 596,569              | 591,415              | 620,032              | 618,417              | 762,783              |
| 351150                 | DIXON TEL CO          | AS   | 1,362,392            | 1,467,558            | 1,511,785            | 1,508,981            | 1,432,268            |
| 351152                 | DUMONT TEL CO         | AS   | 6,216,056            | 5,095,245            | 5,146,664            | 5,450,952            | 4,321,632            |
| 351153                 | DUNKERTON TEL COOP    | AS   | 2,140,466            | 1,822,766            | 1,758,068            | 1,734,441            | 1,546,467            |
| 351156                 | EAST BUCHANAN COOP    | 2    | 2,157,091            | 2,197,759            | 2,557,154            | 2,894,198            | 2,793,013            |
| 351157                 | ELLSWORTH COOP ASSN   | AS   | 1,393,799            | 1,510,540            | 1,459,130            | 1,312,619            | 1,236,291            |
| 351158                 | MINBURN TELECOMM      | 2    | 2,351,337            | 2,004,855            | 2,160,774            | 2,084,135            | 1,994,067            |
| 351160                 | FARMERS & BUSINESSME  | AS   | 2,244,651            | 2,491,291            | 2,640,076            | 3,096,006            | 2,978,582            |
| 351162                 | FARMERS COOP TEL CO   | AS   | 2,587,346            | 2,520,102            | 2,575,142            | 2,649,522            | 2,631,830            |
| 351166                 | FARMERS & MERCHANTS   | AS   | 1,855,775            | 1,680,587            | 1,735,123            | 1,752,641            | 1,523,409            |
| 351167                 | ITS-IOWA TELECOM-NO   | 2    | 326,292,472          | 328,330,185          | 322,615,118          | 309,521,746          | 299,738,322          |
| 351168                 | FARMERS MUTUAL COOP   | AS   | 8,118,703            | 8,491,260            | 8,414,822            | 8,005,718            | 9,434,026            |
| 351169                 | FARMERS MUTUAL COOP   | AS   | 1,199,111            | 1,294,270            | 1,398,997            | 1,464,395            | 1,502,647            |
| 351170                 | ITS-IOWA TELECOM-SYS  | 2    | 223,232,093          | 220,620,844          | 205,033,845          | 202,579,090          | 191,270,568          |
| 351171                 | FARMERS MUTUAL JESUP  | AS   | 4,216,167            | 3,422,479            | 3,585,079            | 3,508,332            | 3,304,883            |
| 351172                 | FARMERS MUTUAL TEL    | AS   | 5,456,712            | 5,659,272            | 6,164,906            | 5,493,929            | 5,806,224            |
| 351173                 | FARMERS MUTUAL COOP   | AS   | 4,334,589            | 4,663,929            | 5,024,742            | 5,544,587            | 5,796,974            |
| 351174                 | FARMERS MUTUAL TEL    | AS   | 2,885,379            | 3,237,735            | 3,057,584            | 3,123,649            | 3,043,586            |
| 351175                 | FARMERS TEL CO - BAT  | AS   | 709,165              | 817,674              | 841,659              | 745,783              | 709,820              |
| 351176                 | FARMERS TEL CO-ESSEX  | AS   | 3,663,765            | 1,398,762            | 1,473,708            | 1,572,599            | 1,990,862            |
| 351177                 | FARMERS TEL CO-RICE   | AS   | 4,341,559            | 4,546,747            | 4,514,908            | 4,221,473            | 4,132,687            |
| 351178                 | ITS-IOWA TELECOM      | 2    | 219,843,493          | 230,838,775          | 210,987,446          | 219,175,784          | 215,252,675          |
| 351179                 | FENTON CO-OP TEL CO   | AS   | 673,961              | 753,783              | 835,803              | 752,598              | 646,932              |
| 351187                 | PARTNER COMM. COOP    | AS   | 1,933,466            | 2,036,818            | 2,313,284            | 2,136,786            | 1,973,040            |
| 351188                 | GOLDFIELD TEL CO      | AS   | 1,371,426            | 1,314,441            | 1,266,025            | 2,777,960            | 1,286,587            |
| 351189                 | RIVER VALLEY COOP     | AS   | 2,339,394            | 2,596,452            | 2,769,886            | 2,469,404            | 2,176,902            |
| 351191                 | GRAND MOUND COOP TEL  | AS   | 1,273,693            | 1,305,891            | 1,362,429            | 1,206,395            | 1,160,757            |
| 351195                 | GRISWOLD CO-OP TEL    | AS   | 4,306,759            | 4,476,186            | 4,937,210            | 5,213,295            | 5,998,481            |
| 351199                 | HAWKEYE TEL CO        | AS   | 857,941              | 923,139              | 1,040,771            | 1,057,966            | 950,878              |
| 351202                 | HOSPERS TEL EXCH INC  | AS   | 1,586,545            | 1,619,491            | 1,758,293            | 1,872,508            | 1,788,139            |
| 351203                 | HUBBARD COOP ASSN     | AS   | 1,500,875            | 1,539,749            | 1,611,437            | 1,576,989            | 1,611,311            |
| 351205                 | HUXLEY COMM. COOP     | AS   | 4,352,940            | 4,309,367            | 4,559,892            | 4,344,897            | 3,988,006            |
| 351206                 | IA MO TEL CO - IA     | AS   | 1,257,441            | 1,249,656            | 1,240,195            | 1,312,741            | 1,420,454            |
| 351209                 | INTERSTATE 35 TEL CO  | AS   | 2,487,404            | 2,864,915            | 2,984,595            | 2,932,859            | 2,963,891            |
| 351212                 | JEFFERSON TEL CO -IA  | AS   | 9,427,149            | 8,902,546            | 8,900,417            | 9,432,109            | 9,045,600            |
| 351213                 | JORDAN SOLDIERVALLEY  | AS   | 5,136,469            | 6,108,822            | 12,251,683           | 12,507,701           | 7,270,147            |
| 351214                 | KALONA COOP TEL CO    | 2    | 4,570,223            | 4,942,653            | 4,562,398            | 5,806,422            | 4,894,211            |
| 351217                 | KEYSTONE FRMS COOP    | AS   | 1,903,166            | 1,930,030            | 1,830,002            | 1,761,537            | 1,553,866            |
| 351220                 | LA PORTE CITY TEL CO  | AS   | 3,510,830            | 3,614,247            | 3,477,712            | 3,417,720            | 3,340,733            |
| 351222                 | LA MOTTE TEL CO       | AS   | 1,093,548            | 1,102,004            | 1,192,684            | 1,424,023            | 1,355,535            |
| 351223                 | LAUREL TEL CO, INC    | AS   | 445,456              | 408,338              | 384,125              | 377,683              | 457,390              |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(in Thousands)**

| Study Area ID Code  | Study Area Name      | Type | 1999                 | 2000                 | 2001                 | 2002                 | 2003                 |
|---------------------|----------------------|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <b>IOWA (CONT.)</b> |                      |      |                      |                      |                      |                      |                      |
| 351225              | LEHIGH VALLEY COOP   | AS   | 3,202,579            | 3,341,726            | 3,260,637            | 2,964,663            | 2,814,186            |
| 351228              | LONE ROCK CO-OP TEL  | AS   | 558,732              | 648,550              | 687,417              | 603,054              | 460,347              |
| 351229              | LOST NATION-ELWOOD   | 2    | 5,498,679            | 4,824,027            | 3,957,465            | 3,724,532            | 2,743,126            |
| 351230              | NORTHEAST IOWA TEL   | AS   | 5,033,926            | 4,773,857            | 4,829,333            | 4,998,175            | 5,023,675            |
| 351232              | LYNNVILLE TEL CO     | AS   | 1,567,875            | 11,624,904           | 26,992,696           | 552,420              | 10,345,141           |
| 351235              | MANILLA TEL CO       | AS   | 1,221,728            | 1,175,457            | 1,250,355            | 1,268,743            | 1,653,252            |
| 351237              | MARNE & ELK HORN TEL | AS   | 3,051,497            | 3,230,617            | 3,425,593            | 3,519,632            | 3,407,766            |
| 351238              | MARTELLE COOP ASSN   | AS   | 497,941              | 608,048              | 667,393              | 617,241              | 517,150              |
| 351239              | MASSENA TEL CO       | AS   | 1,336,995            | 1,470,317            | 1,529,317            | 1,538,553            | 1,600,824            |
| 351241              | MECHANICSVILLE TEL   | AS   | 1,586,367            | 1,757,866            | 1,943,335            | 1,815,285            | 1,549,448            |
| 351242              | MILES COOP TEL ASSN  | AS   | 1,473,556            | 1,525,101            | 1,445,637            | 1,531,888            | 1,408,876            |
| 351243              | MILLER TEL CO - IA   | AS   | 197,201              | 210,322              | 215,696              | 219,245              | 227,842              |
| 351245              | MINBURN TEL CO       | AS   | 1,189,245            | 1,197,216            | 1,182,397            | 1,141,389            | 1,033,339            |
| 351246              | MINERVA VALLEY TEL   | AS   | 1,467,555            | 1,680,798            | 1,803,207            | 1,650,137            | 1,627,726            |
| 351247              | MODERN COOP TEL CO   | AS   | 1,449,587            | 1,651,431            | 1,734,090            | 1,668,115            | 1,466,947            |
| 351248              | MONTEZUMA MUTUAL TEL | AS   | 5,024,340            | 4,967,272            | 5,317,974            | 4,960,534            | 4,167,121            |
| 351250              | MUTUAL TEL CO        | AS   | 1,364,439            | 1,447,408            | 1,440,006            | 1,311,584            | 1,164,864            |
| 351251              | MEDIAPOLIS TEL CO    | AS   | 5,525,308            | 5,859,539            | 5,813,152            | 5,289,688            | 4,697,569            |
| 351252              | MUTUAL TEL CO        | AS   | 14,489,558           | 15,239,561           | 16,043,913           | 16,307,104           | 21,200,758           |
| 351257              | NORTH ENGLISH COOP   | AS   | 1,222,902            | 1,457,933            | 1,469,316            | 1,338,244            | 1,346,840            |
| 351259              | NORTHERN IOWA TEL CO | AS   | 6,576,181            | 6,584,668            | 6,787,845            | 6,819,308            | 6,279,748            |
| 351260              | NORTHWEST IOWA TEL   | AS   | 90,295,493           | 96,098,451           | 117,416,770          | 112,166,439          | 106,640,501          |
| 351261              | NORTHWEST TEL COOP   | AS   | 2,148,513            | 2,323,200            | 2,324,018            | 2,341,595            | 2,421,062            |
| 351262              | COMM 1 NETWORK       | AS   | 1,365,725            | 1,505,119            | 1,422,300            | 1,556,217            | 3,162,717            |
| 351263              | OGDEN TEL CO - IA    | AS   | 3,672,298            | 3,552,185            | 3,542,411            | 3,464,971            | 3,522,317            |
| 351264              | OLIN TEL CO, INC     | AS   | 1,683,643            | 1,582,788            | 1,618,563            | 1,618,463            | 1,291,881            |
| 351265              | ONSLow COOP TEL ASSN | AS   | 387,686              | 433,191              | 460,760              | 453,158              | 470,337              |
| 351266              | ORAN MUTUAL TEL CO   | AS   | 444,684              | 524,409              | 560,326              | 496,350              | 398,998              |
| 351269              | PALO COOP TEL ASSN   | AS   | 1,568,569            | 1,601,806            | 1,801,154            | 1,631,614            | 1,556,101            |
| 351270              | PALMER MUTUAL TEL CO | AS   | 502,136              | 622,041              | 715,620              | 695,737              | 736,435              |
| 351271              | PANORA COOP TEL ASSN | AS   | 4,474,308            | 5,070,978            | 6,122,212            | 7,217,774            | 6,847,000            |
| 351273              | PEOPLES TEL CO - IA  | AS   | 1,828,361            | 2,004,655            | 2,020,805            | 1,934,985            | 2,005,625            |
| 351274              | CENTURYTEL-POSTVILLE | AS   | 6,700,995            | 7,600,762            | 8,953,835            | 12,859,079           | 11,287,586           |
| 351275              | PRAIRIEBURG TEL CO   | AS   | 390,338              | 375,477              | 365,506              | 411,997              | 516,719              |
| 351276              | PRESTON TEL CO       | AS   | 1,792,546            | 1,957,775            | 1,811,151            | 1,738,242            | 1,693,092            |
| 351277              | RADCLIFFE TEL CO     | AS   | 878,923              | 927,105              | 877,283              | 730,235              | 633,894              |
| 351278              | READLYN TEL CO       | AS   | 1,235,300            | 1,220,611            | 1,233,288            | 1,235,026            | 2,045,745            |
| 351280              | RINGSTED TEL CO      | AS   | 1,085,933            | 1,093,052            | 1,147,135            | 1,028,073            | 925,128              |
| 351282              | ROCKWELL COOP ASSN   | AS   | 2,389,843            | 2,408,076            | 2,502,010            | 2,372,687            | 2,313,351            |
| 351283              | ROYAL TEL CO         | AS   | 6,030,119            | 5,004,160            | 4,949,161            | 4,788,264            | 3,607,425            |
| 351284              | RUTHVEN TEL EXCHANGE | AS   | 1,686,695            | 1,806,811            | 1,906,069            | 1,677,875            | 1,660,726            |
| 351285              | SAC COUNTY MUTUAL    | AS   | 2,105,889            | 2,305,108            | 2,431,387            | 2,208,848            | 2,147,579            |
| 351291              | SCHALLER TEL CO      | AS   | 7,057,284            | 6,924,592            | 6,935,710            | 7,381,711            | 7,464,724            |
| 351292              | SEARSBORO TEL CO     | AS   | 5,889,511            | 899,124              | 8,220,718            | 45,253,003           | 33,171,423           |
| 351293              | SHARON TEL CO        | AS   | 2,737,477            | 2,860,118            | 3,159,918            | 3,105,559            | 2,810,665            |
| 351294              | SCRANTON TEL CO      | AS   | 1,284,618            | 1,517,480            | 1,654,493            | 1,513,739            | 1,416,101            |
| 351295              | SHELL ROCK TEL CO    | AS   | 2,392,212            | 2,521,731            | 2,601,409            | 2,626,519            | 2,637,792            |
| 351297              | HEART OF IOWA COMM   | AS   | 3,204,399            | 3,317,468            | 3,431,721            | 3,444,187            | 3,821,413            |
| 351298              | SOUTH SLOPE COOP TEL | AS   | 23,985,986           | 26,585,816           | 31,135,952           | 37,840,086           | 41,188,796           |
| 351301              | SOUTHWEST TEL EXCH   | AS   | 1,954,092            | 2,126,238            | 2,113,523            | 2,260,655            | 3,494,625            |
| 351302              | SPRINGVILLE COOP TEL | AS   | 2,142,063            | 2,090,603            | 2,173,551            | 2,004,128            | 2,025,824            |
| 351303              | COOP TEL EXCHANGE    | AS   | 1,294,031            | 1,302,714            | 1,220,067            | 1,256,595            | 1,157,688            |
| 351304              | SWISHER TEL CO       | AS   | 2,072,827            | 2,248,571            | 2,309,405            | 2,046,503            | 1,993,334            |
| 351305              | STRATFORD MUTUAL TEL | AS   | 2,290,201            | 1,257,743            | 1,247,129            | 1,271,864            | 1,544,435            |
| 351306              | SULLY TEL ASSOC      | AS   | 2,010,411            | 2,086,782            | 2,181,683            | 3,465,228            | 7,595,970            |
| 351307              | SUPERIOR TEL COOP    | AS   | 665,255              | 532,796              | 547,749              | 572,984              | 594,902              |
| 351308              | TEMPLETON TEL CO     | AS   | 607,464              | 781,722              | 866,159              | 931,325              | 895,281              |
| 351309              | TERRIL TEL COOP      | AS   | 4,731,608            | 4,976,254            | 4,816,395            | 4,657,908            | 5,039,402            |
| 351310              | TITONKA TEL CO       | AS   | 1,115,345            | 1,188,233            | 1,183,984            | 1,271,803            | 1,160,644            |
| 351316              | UNITED FARMERS TEL   | 2    | 5,247,228            | 1,278,217            | 3,426,637            | 4,662,072            | 1,777,375            |
| 351319              | VAN BUREN TEL CO     | AS   | 4,687,026            | 4,690,322            | 4,730,293            | 5,008,585            | 5,825,293            |
| 351320              | VAN HORNE COOP TEL   | AS   | 4,693,557            | 3,939,467            | 3,549,694            | 3,546,920            | 2,153,229            |
| 351322              | VENTURA TEL CO, INC  | AS   | 1,495,790            | 1,604,354            | 1,403,227            | 1,376,173            | 1,192,556            |
| 351324              | VILLISCA FARMERS TEL | AS   | 2,670,368            | 2,718,901            | 3,135,788            | 3,217,747            | 2,975,983            |
| 351326              | WALNUT TEL CO, INC   | AS   | 1,932,604            | 2,145,707            | 2,248,834            | 2,198,166            | 2,160,113            |
| 351327              | WEBB-DICKENS TEL     | 2    | 1,010,723            | 1,119,747            | 1,175,212            | 1,145,479            | 1,049,803            |
| 351328              | WEBSTER-CALHOUN COOP | AS   | 8,086,037            | 10,188,670           | 10,676,169           | 11,198,579           | 10,990,983           |
| 351329              | WELLMAN COOP TEL     | AS   | 2,601,187            | 2,819,560            | 2,918,898            | 2,754,858            | 2,574,663            |
| 351331              | WEST IOWA TEL CO     | AS   | 9,672,490            | 11,201,188           | 10,876,785           | 12,918,565           | 12,419,164           |
| 351332              | WEST LIBERTY TEL CO  | AS   | 9,996,749            | 11,387,544           | 11,483,775           | 11,192,412           | 11,317,422           |
| 351334              | WESTERN IOWA ASSN    | AS   | 7,743,089            | 8,956,185            | 9,128,143            | 7,999,705            | 9,196,640            |
| 351335              | WESTSIDE INDEPENDENT | AS   | 696,277              | 765,222              | 826,807              | 815,792              | 838,062              |
| 351336              | WILTON TEL CO        | AS   | 4,100,289            | 4,764,830            | 4,767,680            | 5,024,795            | 4,750,509            |
| 351337              | WINNEBAGO COOP ASSN  | AS   | 16,778,855           | 16,358,346           | 16,103,937           | 18,667,313           | 19,762,638           |
| 351342              | WOOLSTOCK MUTUAL     | AS   | 528,234              | 484,139              | 482,808              | 455,322              | 397,955              |
| 351343              | WYOMING MUTUAL TEL   | AS   | 1,243,090            | 1,422,472            | 1,543,285            | 1,691,943            | 1,659,458            |
| 351344              | PRAIRIE TEL CO       | AS   | 2,655,694            | 2,770,970            | 2,867,554            | 2,971,389            | 2,863,496            |
| 351346              | ACE TEL ASSN-IA      | 2    | 7,653,043            | 8,660,010            | 10,003,064           | 11,426,070           | 11,257,938           |
| 351405              | HILLS TEL CO, INC-IA | AS   | 8,285,005            | 8,705,072            | 9,210,718            | 9,544,782            | 9,813,850            |
| 351424              | MABEL COOP TEL-IA    | AS   | 2,461,228            | 2,708,720            | 2,782,467            | 3,128,013            | 3,369,675            |
| 351888              | GRAND RIVER MUT-IA   | 2    | 22,646,802           | 23,303,736           | 24,979,947           | 24,807,784           | 26,694,802           |
| 355141              | QWEST CORP - IA      | 1    | 3,656,098,397        | 3,705,607,125        | 3,145,970,460        | 2,919,534,628        | 2,773,323,353        |
| <b>KANSAS Total</b> |                      |      | <b>5,457,742,668</b> | <b>5,573,177,803</b> | <b>5,308,053,456</b> | <b>4,810,469,701</b> | <b>4,351,898,664</b> |
| 411317              | UNITED OF EASTERN KS | 2    | 132,820,014          | 156,699,795          | 167,180,021          | 164,078,541          | 171,640,019          |
| 411746              | BLUE VALLEY TELE-COM | 2    | 11,807,057           | 16,860,969           | 20,419,706           | 21,581,379           | 18,630,253           |
| 411756              | COLUMBUS TELEPHONE   | 2    | N/A                  | N/A                  | N/A                  | 2,987,244            | 5,946,964            |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
(In Thousands)

| Study Area ID Code     | Study Area Name      | Type | 1999                 | 2000                 | 2001                 | 2002                 | 2003                 |
|------------------------|----------------------|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <b>KANSAS (CONT.)</b>  |                      |      |                      |                      |                      |                      |                      |
| 411756                 | COLUMBUS TELEPHONE   | 2    | 7,619,593            | 7,927,163            | 8,346,863            | 3,993,923            |                      |
| 411758                 | COUNCIL GROVE TEL CO | 2    | 5,261,743            | 4,991,354            | 5,725,564            | 5,266,553            | 4,635,360            |
| 411761                 | GUNNINGHAM TEL CO    | 2    | 4,453,464            | 4,075,306            | 3,886,707            | 3,938,029            | 4,178,602            |
| 411764                 | ELKHART TEL CO INC   | 2    | 6,536,429            | 8,286,183            | 13,526,904           | 10,343,201           | 8,142,486            |
| 411777                 | GOLDEN BELT TEL ASSN | 2    | 14,252,013           | 14,435,358           | 13,419,768           | 14,943,675           | 14,587,053           |
| 411778                 | GORHAM TEL CO        | 2    | 843,179              | 866,250              | 939,458              | 1,034,467            | 1,002,211            |
| 411780                 | HAVILAND TEL CO      | 2    | 9,801,528            | 12,583,782           | 13,714,596           | 13,908,052           | 13,819,435           |
| 411781                 | H & B COMMUNICATIONS | 2    | 6,537,112            | 5,128,238            | 3,061,489            | 2,943,214            | 3,179,741            |
| 411782                 | HOME TEL CO          | 2    | 5,292,304            | 5,694,584            | 5,057,427            | 4,741,154            | 4,859,033            |
| 411788                 | J. B. N. TEL CO INC  | 2    | 5,717,578            | 7,585,321            | 7,940,276            | 8,327,142            | 8,239,968            |
| 411791                 | KANOKLA TEL ASSN-KS  | 2    | 6,201,053            | 6,858,049            | 5,767,804            | 5,456,791            | 6,547,717            |
| 411791                 | LA HARPE TEL CO INC  | 2    | 2,303,722            | 3,490,854            | 2,689,626            | 2,703,334            | 2,928,717            |
| 411801                 | MADISON TEL. LLC     | 2    | 1,426,017            | 3,251,133            | 3,412,562            | 2,262,669            | 2,142,096            |
| 411807                 | MOKAN DIAL INC-KS    | 2    | 14,163,592           | 15,504,808           | 15,566,634           | 12,770,909           | 11,501,108           |
| 411808                 | MOUNDRIDGE TEL CO    | 2    | 19,604,899           | 19,754,781           | 28,547,248           | 36,391,857           | 46,208,116           |
| 411809                 | MUTUAL TEL CO        | 2    | 1,216,244            | 1,225,959            | 1,251,629            | 1,139,494            | 1,170,591            |
| 411814                 | PEOPLES TELECOM LLC  | 2    | 4,561,532            | 4,728,819            | 4,847,650            | 5,022,360            | 5,606,765            |
| 411817                 | PIONEER TEL ASSN INC | 2    | 51,373,781           | 49,997,340           | 54,910,862           | 50,329,407           | 52,176,610           |
| 411818                 | CRAW-KAN TEL COOP    | 2    | 43,171,941           | 46,694,719           | 52,996,008           | 53,424,758           | 52,028,598           |
| 411820                 | RAINBOW TEL COOP     | 2    | 4,910,171            | 5,439,266            | 5,747,901            | 5,744,810            | 6,139,767            |
| 411826                 | RURAL TEL SERVICE CO | 2    | 38,787,490           | 44,247,801           | 42,834,619           | 41,300,387           | 37,066,973           |
| 411827                 | S & T TEL COOP ASSN  | 2    | 7,062,192            | 8,117,601            | 8,426,161            | 7,875,349            | 7,186,866            |
| 411829                 | S & A TEL CO INC     | 2    | 2,224,119            | 2,798,156            | 2,577,140            | 2,450,922            | 2,386,891            |
| 411831                 | S. CENTRAL TEL - KS  | 2    | 5,500,897            | 6,429,447            | 26,971,919           | 58,111,300           | 41,124,967           |
| 411833                 | SOUTHERN KANSAS TEL  | 2    | 12,742,789           | 16,172,550           | 20,053,716           | 55,473,268           | 43,537,075           |
| 411835                 | SUNFLOWER TEL CO     | 2    | 16,738,272           | 17,491,667           | 17,371,715           | 16,084,981           | 14,164,670           |
| 411839                 | TRI-COUNTY TEL ASSN  | 2    | 8,326,292            | 9,109,551            | 9,542,345            | 11,067,284           | 10,095,931           |
| 411840                 | TWIN VALLEY TEL INC  | 2    | 11,411,429           | 8,524,466            | 7,253,230            | 7,241,901            | 7,703,687            |
| 411841                 | UNITED TEL ASSN      | 2    | 18,117,275           | 20,406,770           | 20,223,845           | 15,068,959           | 15,558,957           |
| 411842                 | UTC OF KANSAS        | 2    | 237,870,113          | 260,117,922          | 265,566,694          | 248,432,998          | 248,052,094          |
| 411845                 | WAMEGO TEL CO INC    | 2    | 13,319,720           | 14,270,231           | 14,183,825           | 14,664,921           | 15,151,794           |
| 411847                 | WHEAT STATE TEL. INC | 2    | 5,213,724            | 5,193,952            | 6,135,894            | 6,422,988            | 6,099,817            |
| 411849                 | WILSON TEL CO INC    | 2    | 10,259,811           | 11,593,424           | 6,922,483            | 8,687,335            | 4,732,602            |
| 411852                 | ZENDA TEL COMPANY    | 2    | 627,906              | 744,434              | 684,493              | 470,566              | 983,057              |
| 411957                 | UTC-MO DBA UTC-SE KS | 2    | 26,410,382           | 28,934,930           | 26,565,269           | 23,206,686           | 23,462,881           |
| 412030                 | TOTAH TELEPHONE CO   | 2    | 12,855,652           | 11,244,544           | 6,441,931            | 8,814,279            | 5,936,607            |
| 415214                 | SOUTHWESTERN BELL-KS | 1    | 4,668,400,139        | 4,705,700,924        | 4,387,361,474        | 3,875,751,574        | 3,422,341,485        |
| <b>KENTUCKY Total</b>  |                      |      | <b>6,401,464,886</b> | <b>6,635,260,921</b> | <b>6,369,878,406</b> | <b>5,828,038,670</b> | <b>5,575,244,141</b> |
| 260396                 | BALLARD RURAL COOP   | AS   | 17,531,518           | 16,121,541           | 18,118,944           | 17,543,100           | 19,599,448           |
| 260398                 | BRANDENBURG TEL CO   | AS   | 88,855,085           | 92,610,194           | 93,552,285           | 91,259,461           | 94,460,906           |
| 260401                 | DUO COUNTY TEL COOP  | 2    | 24,683,506           | 25,414,538           | 26,999,589           | 34,781,319           | 32,818,261           |
| 260402                 | ALLTEL KENTUCKY      | 2    | 54,542,908           | 55,454,775           | 56,772,234           | 55,164,354           | 55,902,805           |
| 260406                 | FOOTHILLS RURAL COOP | 2    | 32,185,763           | 37,857,017           | 40,729,264           | 41,258,505           | 43,245,890           |
| 260408                 | GEARHEART-COALFIELDS | AS   | 13,113,983           | 14,900,938           | 16,840,395           | 15,727,494           | 17,023,376           |
| 260411                 | LESLIE COUNTY TEL CO | 2    | 14,888,876           | 13,009,723           | 12,405,890           | 12,980,479           | 14,146,729           |
| 260412                 | LEWISPORT TEL CO     | AS   | 4,312,207            | 4,226,330            | 4,060,696            | 3,792,720            | 3,403,656            |
| 260413                 | LOGAN TEL. COOP. INC | 2    | 17,768,691           | 19,060,300           | 18,967,640           | 19,424,081           | 20,222,707           |
| 260414                 | MOUNTAIN RURAL COOP  | AS   | 31,110,775           | 35,488,141           | 39,025,981           | 36,724,745           | 40,327,023           |
| 260415                 | PEOPLES RURAL COOP   | 2    | 13,225,067           | 14,667,231           | 15,715,948           | 17,200,882           | 20,716,286           |
| 260417                 | SALEM TEL CO         | AS   | 4,388,628            | 4,335,570            | 4,400,739            | 4,018,419            | 3,752,475            |
| 260418                 | SOUTH CENTRAL RURAL  | 2    | 53,081,578           | 66,964,784           | 70,072,184           | 67,768,801           | 89,201,607           |
| 260419                 | THACKER/GRIGSBY TEL  | AS   | 17,538,028           | 17,703,811           | 16,064,751           | 18,630,727           | 21,019,957           |
| 260421                 | WEST KENTUCKY RURAL  | AS   | 49,449,981           | 52,320,791           | 54,658,728           | 54,274,604           | 56,584,374           |
| 265061                 | CINCINNATI BELL - KY | 1    | 488,486,521          | 485,775,759          | 497,197,540          | 457,619,937          | 443,793,852          |
| 265182                 | SO CENTRAL BELL - KY | 1    | 3,853,980,206        | 3,913,887,736        | 3,649,403,235        | 3,265,213,683        | 3,070,082,907        |
| 269690                 | KY ALLTEL-LEXINGTON  | 1    | 1,396,763,170        | 1,509,864,572        | 1,464,194,144        | 1,356,059,147        | 1,277,900,737        |
| 269691                 | KY ALLTEL-LONDON     | 1    | 225,540,396          | 255,599,170          | 268,698,209          | 258,586,212          | 271,041,145          |
| <b>LOUISIANA Total</b> |                      |      | <b>7,314,909,880</b> | <b>7,540,777,113</b> | <b>7,202,623,868</b> | <b>6,370,891,693</b> | <b>5,948,980,348</b> |
| 270423                 | CENTURYTEL-CENTR LA  | 2    | 41,357,183           | 43,567,952           | 44,905,665           | 49,052,500           | 51,130,307           |
| 270424                 | CENTURYTEL-SE LA     | 2    | 24,155,532           | 26,776,261           | 28,454,382           | 29,654,154           | 28,171,536           |
| 270425                 | CAMERON TEL CO - LA  | 2    | 24,755,657           | 24,762,337           | 29,377,011           | 25,927,053           | 21,429,852           |
| 270426                 | CAMPPI-PLEASANT HILL | 2    | 7,991,279            | 6,291,407            | 7,543,240            | 7,048,146            | 7,797,058            |
| 270427                 | CENTURYTEL-CHATHAM   | 2    | 3,960,773            | 4,487,628            | 4,679,750            | 4,440,580            | 4,887,645            |
| 270428                 | DELCAMBRE TEL CO     | AS   | 2,739,571            | 3,021,685            | 3,413,981            | 2,969,357            | 2,656,158            |
| 270429                 | EAST ASCENSION TEL   | 2    | 101,216,409          | 110,708,694          | 118,071,281          | 110,183,053          | 112,205,471          |
| 270430                 | ELIZABETH TEL CO     | 2    | 8,675,673            | 9,550,150            | 9,526,041            | 9,353,949            | 8,372,010            |
| 270431                 | CENTURYTEL-NW LA     | 2    | 31,430,121           | 34,777,530           | 34,997,096           | 35,115,022           | 38,784,358           |
| 270432                 | KAPLAN TEL CO        | 2    | 9,803,763            | 10,991,789           | 11,366,241           | 10,038,953           | 8,561,865            |
| 270433                 | LAFOURCHE TEL CO     | 2    | 32,576,025           | 36,230,550           | 38,858,558           | 32,856,790           | 30,716,871           |
| 270434                 | CENTURYTEL-EVANGELIN | 2    | 77,042,418           | 81,980,977           | 80,402,438           | 82,642,202           | 81,605,838           |
| 270435                 | NORTHEAST LOUISIANA  | 2    | 3,380,188            | 2,984,647            | 3,154,171            | 2,945,303            | 3,156,180            |
| 270436                 | CENTURY NORTH LA     | 2    | 25,793,330           | 29,707,661           | 32,941,650           | 31,265,503           | 30,469,133           |
| 270438                 | RESERVE TEL CO       | 2    | 15,130,007           | 17,594,849           | 18,722,567           | 15,154,300           | 13,737,290           |
| 270439                 | CENTURYTEL-RINGGOLD  | 2    | 4,679,457            | 5,048,170            | 5,288,951            | 5,256,827            | 7,691,215            |
| 270440                 | CENTURYTEL - EAST LA | 2    | 7,369,344            | 8,141,543            | 9,215,534            | 10,930,915           | 9,754,206            |
| 270441                 | STAR TEL CO          | 2    | 13,459,641           | 14,474,575           | 14,972,916           | 12,301,276           | 10,278,976           |
| 270442                 | CENTURYTEL-SW LA     | 2    | 14,609,838           | 16,617,511           | 17,235,589           | 17,952,079           | 17,997,527           |
| 275183                 | SO CENTRAL BELL - LA | 1    | 6,864,783,671        | 7,051,061,197        | 6,689,496,806        | 5,875,803,731        | 5,459,546,852        |
| <b>MAINE Total</b>     |                      |      | <b>2,591,317,991</b> | <b>2,764,394,489</b> | <b>2,709,767,006</b> | <b>2,564,913,976</b> | <b>2,284,066,423</b> |
| 100002                 | OXFORD WEST TEL CO   | 2    | 20,563,436           | 21,019,341           | 17,808,361           | 17,294,774           | 22,521,737           |
| 100003                 | LINCOLNVILLE TEL CO  | 2    | 34,480,923           | 35,480,017           | 42,714,641           | 51,248,328           | 54,954,893           |
| 100004                 | CHINA TEL CO         | 2    | 12,165,060           | 14,394,596           | 15,061,040           | 13,414,307           | 11,373,823           |
| 100005                 | COBOSSEECONTEE TEL   | AS   | 1,232,439            | 1,631,784            | 2,015,488            | 2,109,438            | 2,298,813            |
| 100007                 | ISLAND TEL CO        | 2    | 1,580,519            | 1,404,990            | 1,363,642            | 1,356,734            | 1,323,820            |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(In Thousands)**

| Study Area ID Code         | Study Area Name      | Type | 1999                  | 2000                  | 2001                  | 2002                  | 2003                  |
|----------------------------|----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>MAINE (CONT.)</b>       |                      |      |                       |                       |                       |                       |                       |
| 100010                     | HAMPDEN TEL CO       | 2    | 9,699,408             | 8,729,190             | 8,634,846             | 8,716,365             | 8,312,768             |
| 100011                     | HARTLAND & ST ALBANS | 2    | 8,585,382             | 8,244,094             | 7,952,579             | 8,080,314             | 7,296,500             |
| 100015                     | COMMUNITY SERVICE    | AS   | 31,660,528            | 35,341,254            | 32,392,820            | 30,121,605            | 32,209,204            |
| 100019                     | OXFORD COUNTY TEL    | AS   | 18,705,790            | 25,327,849            | 22,809,773            | 22,512,413            | 19,400,806            |
| 100020                     | PINE TREE TEL & TEL  | AS   | 19,854,724            | 22,095,606            | 22,283,256            | 24,823,891            | 20,515,597            |
| 100022                     | SACO RIVER TEL & TEL | AS   | 23,562,960            | 25,105,303            | 25,007,254            | 27,913,749            | 28,931,150            |
| 100024                     | SOMERSET TEL CO      | 2    | 26,852,328            | 24,359,116            | 23,942,473            | 23,638,389            | 22,813,186            |
| 100025                     | STANDISH TEL CO      | 2    | 60,165,451            | 64,453,422            | 66,348,622            | 61,210,715            | 63,479,207            |
| 100027                     | UNION RIVER TEL CO   | 2    | 2,759,745             | 2,958,703             | 3,265,979             | 3,466,025             | 3,404,063             |
| 100029                     | UNITY TEL CO, INC    | 2    | 18,466,929            | 14,466,707            | 15,094,546            | 15,273,540            | 15,733,015            |
| 100031                     | WARREN TEL CO        | 2    | 4,257,464             | 3,740,298             | 3,876,178             | 4,237,483             | 4,418,071             |
| 100034                     | WEST PENOBSCOT TEL   | 2    | 5,775,133             | 5,635,548             | 5,393,407             | 5,687,557             | 5,789,530             |
| 103313                     | NORTHLAND TEL CO-ME  | 2    | 57,120,394            | 62,851,315            | 70,554,315            | 76,899,597            | 80,830,139            |
| 103315                     | MID MAINE TELECOM    | 2    | 13,559,640            | 14,279,657            | 15,740,456            | 16,960,724            | 18,655,251            |
| 105111                     | VERIZON MAINE        | 1    | 2,224,269,738         | 2,372,855,697         | 2,307,707,328         | 2,150,148,030         | 1,860,004,850         |
| <b>MARYLAND Total</b>      |                      |      | <b>12,786,550,173</b> | <b>13,797,101,556</b> | <b>13,214,995,254</b> | <b>12,431,812,244</b> | <b>11,257,630,094</b> |
| 180216                     | ARMSTRONG TEL OF MD  | 2    | 28,002,329            | 31,163,163            | 31,273,033            | 28,216,566            | 25,962,878            |
| 185030                     | VERIZON MARYLAND INC | 1    | 12,758,547,844        | 13,765,938,393        | 13,183,722,221        | 12,403,595,676        | 11,231,667,216        |
| <b>MASSACHUSETTS Total</b> |                      |      | <b>14,974,565,233</b> | <b>15,527,478,874</b> | <b>14,068,736,715</b> | <b>11,757,282,361</b> | <b>10,564,083,958</b> |
| 110036                     | GRANBY TEL & TEL -MA | 2    | 11,990,758            | 11,255,730            | 9,522,347             | 6,792,077             | 6,773,865             |
| 110037                     | RICHMOND TEL CO      | 2    | 4,009,333             | 4,688,514             | 4,873,971             | 4,721,408             | 4,443,967             |
| 115112                     | VERIZON MASS         | 1    | 14,958,565,142        | 15,511,534,630        | 14,054,340,397        | 11,745,768,876        | 10,552,866,126        |
| <b>MICHIGAN Total</b>      |                      |      | <b>14,759,940,106</b> | <b>15,231,636,095</b> | <b>14,515,903,251</b> | <b>12,684,222,914</b> | <b>10,984,767,307</b> |
| 310669                     | ALLEDALE TEL CO      | AS   | 18,497,660            | 18,799,678            | 15,949,605            | 13,619,280            | 11,676,225            |
| 310671                     | CENTURY TEL MIDWEST  | 2    | 55,847,421            | 56,842,420            | 58,298,202            | 73,718,686            | 81,074,215            |
| 310672                     | COMM CORP OF MI      | 2    | 10,495,080            | 9,295,553             | 9,438,182             | 9,198,157             | 8,684,308             |
| 310675                     | BARAGA TEL CO        | AS   | 10,517,514            | 11,408,786            | 12,092,200            | 12,640,364            | 13,211,407            |
| 310676                     | BARRY COUNTY TEL CO  | AS   | 14,257,500            | 14,542,240            | 14,643,927            | 15,848,903            | 16,030,173            |
| 310677                     | ISLAND TEL CO        | 2    | 1,582,967             | 1,533,466             | 1,518,312             | 1,799,461             | 1,705,529             |
| 310678                     | BLANCHARD TEL ASSN   | AS   | 3,511,431             | 3,546,914             | 3,371,589             | 3,155,133             | 3,671,345             |
| 310679                     | BLOOMINGDALE TEL CO  | 2    | 5,326,015             | 5,654,988             | 5,500,541             | 5,192,713             | 5,499,466             |
| 310680                     | CHIPPEWA COUNTY TEL  | 2    | 3,345,680             | 3,774,210             | 3,661,799             | 3,335,928             | 3,600,610             |
| 310682                     | FRONTIER MICHIGAN    | 2    | 55,800,323            | 58,676,692            | 57,277,139            | 57,466,586            | 56,757,909            |
| 310683                     | CARR TEL CO          | 2    | 1,495,068             | 2,257,092             | 2,367,000             | 2,968,855             | 3,056,679             |
| 310685                     | CHATHAM TEL CO - MI  | 2    | 6,338,027             | 6,903,983             | 6,303,271             | 6,304,363             | 6,617,481             |
| 310688                     | CLIMAX TEL CO        | AS   | 10,989,151            | 3,414,853             | 3,198,015             | 1,754,760             | 2,213,967             |
| 310689                     | CENTURY TEL UPPER MI | 2    | 24,688,896            | 25,748,505            | 27,188,290            | 31,307,310            | 26,516,376            |
| 310691                     | DEERFIELD FARMERS    | 2    | 9,283,161             | 9,469,455             | 8,587,433             | 8,389,977             | 7,300,594             |
| 310692                     | DRENTHE TEL CO       | AS   | 1,332,021             | 1,421,047             | 1,349,132             | 1,347,633             | 1,286,966             |
| 310694                     | FARMER'S DBA CHAPIN  | AS   | 1,610,184             | 1,719,813             | 1,496,443             | 1,470,142             | 1,744,417             |
| 310695                     | VERIZON NORTH - MI   | 1    | 1,516,497,977         | 1,634,955,438         | 1,680,297,123         | 1,737,939,190         | 1,706,954,515         |
| 310702                     | CENTURY OF MICHIGAN  | 2    | 109,143,637           | 111,106,883           | 114,262,003           | 135,213,045           | 139,960,041           |
| 310703                     | KALEVA TEL CO        | AS   | 4,981,873             | 5,486,522             | 5,347,326             | 5,261,755             | 5,515,276             |
| 310704                     | ACE TEL OF MICHIGAN  | 2    | 7,167,996             | 7,328,485             | 7,529,053             | 8,353,400             | 7,994,689             |
| 310705                     | CENTURY-NORTH MICH   | 2    | 5,179,156             | 5,449,521             | 5,842,310             | 7,269,584             | 6,952,369             |
| 310708                     | LENNON TEL CO        | 2    | 5,108,766             | 5,045,444             | 4,351,088             | 4,500,052             | 4,233,147             |
| 310711                     | MIDWAY TEL CO        | 2    | 2,128,798             | 2,388,028             | 2,114,291             | 2,360,342             | 2,298,577             |
| 310713                     | HIAWATHA TEL CO      | 2    | 11,469,176            | 12,105,400            | 11,328,582            | 12,430,482            | 12,801,691            |
| 310714                     | OGDEN TEL CO         | 2    | 1,313,074             | 1,284,429             | 1,188,789             | 1,282,209             | 1,417,230             |
| 310717                     | ONTONAGON COUNTY TEL | 2    | 9,155,176             | 8,613,214             | 8,679,570             | 10,738,476            | 11,163,105            |
| 310720                     | PENINSULA TEL CO -MI | 2    | 3,792,922             | 4,024,590             | 3,920,685             | 4,122,581             | 4,086,327             |
| 310721                     | PIGEON TEL CO        | 2    | 7,740,516             | 9,110,568             | 9,180,014             | 9,528,624             | 10,076,632            |
| 310725                     | SAND CREEK TEL CO    | AS   | 2,909,571             | 3,286,748             | 3,109,306             | 2,949,332             | 3,286,433             |
| 310726                     | SHIAWASSEE TEL CO    | 2    | 10,076,990            | 10,236,769            | 9,793,935             | 9,311,564             | 8,935,011             |
| 310728                     | SPRINGPORT TEL CO    | 2    | 3,953,021             | 3,948,659             | 4,066,004             | 4,600,505             | 5,032,829             |
| 310732                     | UPPER PENINSULA TEL  | 2    | 15,022,056            | 16,245,067            | 17,283,101            | 18,448,524            | 18,759,786            |
| 310734                     | WALDRON TEL CO       | 2    | 2,098,202             | 2,023,378             | 1,826,575             | 1,843,875             | 1,794,566             |
| 310735                     | WESTPHALIA TEL CO    | AS   | 2,046,722             | 2,130,910             | 2,136,823             | 2,270,107             | 2,504,819             |
| 310737                     | WINN TEL CO          | 2    | 2,539,722             | 2,505,172             | 1,910,924             | 1,830,477             | 1,933,938             |
| 310738                     | WOLVERINE TEL CO     | 2    | 14,960,611            | 15,132,990            | 15,105,205            | 16,168,680            | 17,000,997            |
| 313033                     | VERIZON N-MI(ALLTEL) | 1    | 138,083,370           | 146,761,100           | 146,439,414           | 149,480,107           | 147,489,178           |
| 315090                     | MICHIGAN BELL TEL CO | 1    | 12,651,640,675        | 12,987,466,265        | 12,227,130,050        | 10,488,801,772        | 8,613,928,484         |
| <b>MINNESOTA Total</b>     |                      |      | <b>9,262,715,973</b>  | <b>9,456,411,473</b>  | <b>8,821,523,954</b>  | <b>7,922,998,842</b>  | <b>6,883,295,861</b>  |
| 361123                     | CITIZENS MN LAKES    | 2    | 519,230,454           | 436,071,329           | 382,466,495           | 335,978,039           | 332,189,168           |
| 361337                     | WINNEBAGO COOP ASSN  | AS   | 1,600,046             | 1,579,011             | 1,701,465             | 1,627,064             | 1,931,285             |
| 361346                     | ACE TEL ASSN-MN      | 2    | 32,366,002            | 31,932,298            | 34,015,560            | 33,574,084            | 32,615,965            |
| 361347                     | ALBANY MUTUAL ASSN   | AS   | 5,901,009             | 6,354,655             | 7,431,688             | 8,320,562             | 7,197,488             |
| 361348                     | WILDERNESS VALLEY    | AS   | 49,182                | 54,305                | 66,769                | 92,606                | 79,150                |
| 361350                     | ARVIG TEL CO         | 2    | 23,158,807            | 23,818,274            | 22,215,867            | 21,526,766            | 21,508,003            |
| 361353                     | CITY OF BARNESVILLE  | AS   | 3,294,194             | 3,375,315             | 3,676,523             | 3,794,211             | 3,900,910             |
| 361356                     | BENTON COOP TEL CO   | AS   | 5,295,400             | 5,328,388             | 5,916,107             | 7,088,738             | 8,782,651             |
| 361357                     | BLACKDUCK TEL CO     | 2    | 3,912,364             | 4,415,153             | 4,786,786             | 5,375,274             | 4,899,879             |
| 361358                     | BLUE EARTH VALLEY    | AS   | 16,252,972            | 15,528,049            | 16,226,832            | 17,151,485            | 17,070,864            |
| 361362                     | BRIDGEWATER TEL CO   | AS   | 32,005,652            | 36,682,487            | 38,364,445            | 37,751,179            | 39,834,756            |
| 361365                     | CALLAWAY TEL CO      | AS   | 913,963               | 918,470               | 856,487               | 767,053               | 801,124               |
| 361367                     | FRONTIER-MINNESOTA   | 2    | 376,707,302           | 374,424,160           | 371,295,931           | 368,533,201           | 344,254,274           |
| 361370                     | CLARA CITY TEL EXCH  | 2    | 2,648,292             | 2,796,483             | 2,721,861             | 2,620,544             | 2,922,836             |
| 361372                     | CLEMENTS TEL CO      | AS   | 386,105               | 416,706               | 441,070               | 503,651               | 777,363               |
| 361373                     | CONSOLIDATED TEL CO  | AS   | 13,781,535            | 16,458,649            | 17,810,463            | 21,765,155            | 15,841,449            |
| 361374                     | ARROWHEAD COMM CORP  | 2    | 1,579,019             | 1,505,518             | 1,500,057             | 1,505,648             | 1,430,689             |
| 361375                     | MID-COMM-HICKORYTECH | AS   | 20,548,123            | 21,181,431            | 20,402,715            | 33,685,411            | 51,768,332            |
| 361380                     | DELAVAL TEL CO       | AS   | 853,007               | 817,981               | 944,128               | 898,803               | 915,797               |
| 361381                     | DUNNELL TEL CO       | AS   | 924,671               | 854,638               | 681,723               | 714,626               | 793,393               |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(in Thousands)**

| Study Area ID Code       | Study Area Name      | Type | 1999                 | 2000                 | 2001                 | 2002                 | 2003                 |
|--------------------------|----------------------|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| <b>MINNESOTA (CONT.)</b> |                      |      |                      |                      |                      |                      |                      |
| 361383                   | EAGLE VALLEY TEL CO  | 2    | 1,328,489            | 1,386,453            | 1,519,849            | 1,625,620            | 1,788,654            |
| 361384                   | EASTON TEL CO        | AS   | 632,043              | 620,774              | 628,341              | 576,328              | 608,463              |
| 361385                   | EAST OTTER TAIL TEL  | 2    | 33,257,483           | 38,416,934           | 40,239,505           | 43,086,832           | 43,037,605           |
| 361386                   | ECKLES TEL CO        | 2    | 7,994,425            | 8,316,712            | 8,141,378            | 8,459,913            | 8,291,519            |
| 361387                   | EMILY COOP TEL CO    | 2    | 2,286,782            | 2,444,914            | 2,647,856            | 3,392,790            | 2,212,182            |
| 361389                   | FARMERS MUTUAL TEL   | AS   | 2,740,797            | 3,021,627            | 3,382,770            | 3,418,994            | 2,789,586            |
| 361390                   | FEDERATED TEL COOP   | AS   | 5,807,047            | 6,513,570            | 3,508,590            | 3,915,017            | 4,269,989            |
| 361391                   | FELTON TEL CO, INC   | 2    | 1,634,532            | 1,802,915            | 1,868,645            | 1,678,191            | 1,760,884            |
| 361395                   | GARDEN VALLEY TEL CO | 2    | 30,720,787           | 32,446,914           | 34,031,955           | 36,522,560           | 35,395,399           |
| 361396                   | GARDONVILLE COOP TEL | AS   | 4,999,081            | 4,028,975            | 3,905,588            | 5,026,508            | 5,387,528            |
| 361399                   | GRANADA TEL CO       | 2    | 582,388              | 553,333              | 549,417              | 605,241              | 582,865              |
| 361401                   | HALSTAD TEL CO       | AS   | 4,248,041            | 4,254,141            | 4,251,207            | 4,341,411            | 4,467,002            |
| 361403                   | FEDERATED UTILITIES  | AS   | 1,317,238            | 1,506,709            | 1,506,472            | 1,767,514            | 1,942,161            |
| 361404                   | HARMONY TEL CO       | AS   | 2,702,980            | 2,813,756            | 2,980,916            | 3,085,474            | 3,060,347            |
| 361405                   | HILLS TEL CO, INC    | AS   | 1,573,436            | 1,733,959            | 1,843,543            | 2,031,100            | 2,499,872            |
| 361408                   | HOME TEL CO - MN     | AS   | 5,238,647            | 5,235,488            | 5,595,958            | 5,329,161            | 4,778,426            |
| 361409                   | HUTCHINSON TEL CO    | AS   | 25,578,694           | 25,344,048           | 27,956,418           | 30,372,575           | 25,671,611           |
| 361410                   | JOHNSON TEL CO       | 2    | 3,133,511            | 3,298,152            | 4,045,032            | 4,847,028            | 4,322,999            |
| 361412                   | KASSON & MANTORVILLE | AS   | 8,257,699            | 8,608,513            | 6,977,504            | 6,760,764            | 8,578,087            |
| 361413                   | MID STATE DBA KMP    | AS   | 3,816,786            | 3,478,638            | 2,911,452            | 2,784,151            | 3,098,179            |
| 361414                   | LAKEDALE TEL CO      | 2    | 21,228,718           | 21,577,006           | 25,512,668           | 28,385,496           | 27,708,266           |
| 361419                   | LISMORE COOP TEL CO  | AS   | 598,188              | 738,673              | 818,839              | 873,553              | 874,047              |
| 361422                   | LONSDALE TEL CO      | AS   | 2,013,761            | 2,083,653            | 2,540,506            | 3,889,712            | 4,344,898            |
| 361423                   | LOWRY TEL CO, LLC    | AS   | 1,965,496            | 2,015,858            | 2,097,896            | 2,296,847            | 1,928,866            |
| 361424                   | MABEL COOP TEL - MN  | AS   | 2,412,746            | 2,759,643            | 2,755,699            | 2,644,080            | 2,639,832            |
| 361425                   | CHRISTENSEN-MADELIA  | AS   | 4,425,953            | 5,384,676            | 5,914,214            | 6,098,809            | 4,651,419            |
| 361426                   | MANCHESTER-HARTLAND  | AS   | 1,214,489            | 1,140,831            | 1,383,386            | 1,387,604            | 1,351,236            |
| 361427                   | MANKATO-HICKORYTECH  | AS   | 116,701,473          | 114,063,561          | 104,352,096          | 100,223,422          | 92,988,414           |
| 361430                   | MELROSE TEL CO       | AS   | 18,661,639           | 19,060,588           | 14,846,786           | 17,226,467           | 18,212,550           |
| 361431                   | MIDWEST TEL CO       | AS   | 6,681,729            | 6,660,478            | 6,859,179            | 6,526,405            | 6,994,616            |
| 361433                   | MID STATE TEL CO     | 2    | 12,519,187           | 12,392,946           | 11,824,704           | 11,400,908           | 11,593,114           |
| 361437                   | MINNESOTA LAKE TEL   | AS   | 1,304,636            | 1,243,266            | 1,464,393            | 1,588,850            | 1,476,946            |
| 361439                   | MINNESOTA VALLEY TEL | AS   | 1,962,920            | 2,125,825            | 2,094,027            | 1,943,761            | 2,079,240            |
| 361440                   | CANNON VLY TELECOM   | AS   | 6,548,169            | 5,405,761            | 4,393,594            | 4,459,270            | 5,424,372            |
| 361442                   | NEW ULM TELECOM, INC | 2    | 24,946,554           | 26,121,483           | 26,421,483           | 26,203,854           | 27,065,869           |
| 361443                   | LORETEL SYSTEMS, INC | AS   | 31,719,773           | 35,578,378           | 34,000,101           | 33,955,746           | 35,445,041           |
| 361445                   | CENTURYTEL-MINNESOTA | 2    | 67,850,708           | 70,302,887           | 67,952,729           | 75,695,448           | 76,021,008           |
| 361448                   | OSAKIS TEL CO        | AS   | 4,091,660            | 4,695,228            | 4,757,159            | 4,768,119            | 4,986,876            |
| 361450                   | PARK REGION MUTUAL   | AS   | 17,370,482           | 17,493,855           | 17,191,246           | 11,048,544           | 10,452,078           |
| 361451                   | PAUL BUNYAN RURAL    | 2    | 20,567,899           | 22,251,322           | 22,849,539           | 29,663,333           | 25,222,605           |
| 361453                   | PEOPLES TEL CO - MN  | 2    | 4,644,614            | 4,661,070            | 4,254,326            | 4,255,263            | 5,178,522            |
| 361454                   | PINE ISLAND TEL CO   | 2    | 6,543,150            | 6,601,271            | 7,002,782            | 7,820,219            | 8,020,980            |
| 361456                   | UTC OF MINNESOTA     | 2    | 395,407,065          | 448,273,771          | 487,116,382          | 517,662,304          | 496,584,060          |
| 361472                   | REDWOOD COUNTY TEL   | AS   | 13,124,172           | 14,824,399           | 15,429,425           | 16,451,117           | 14,865,452           |
| 361474                   | ROTHSAY TEL CO, INC  | AS   | 1,198,922            | 1,362,799            | 1,218,034            | 1,277,590            | 1,405,755            |
| 361475                   | RUNESTONE TEL ASSN   | AS   | 7,527,636            | 9,304,359            | 9,962,457            | 10,533,003           | 8,930,031            |
| 361476                   | SACRED HEART TEL CO  | AS   | 928,441              | 986,922              | 1,015,842            | 945,364              | 1,117,815            |
| 361479                   | SCOTT RICE - INTEGRA | AS   | 44,123,520           | 45,112,630           | 45,676,519           | 42,513,428           | 42,446,168           |
| 361482                   | SHERBURNE CTY RURAL  | AS   | 21,590,996           | 19,688,409           | 18,622,468           | 25,309,124           | 28,311,879           |
| 361483                   | SLEEPY EYE TEL CO    | 2    | 12,191,888           | 13,088,290           | 12,913,514           | 13,856,708           | 15,040,750           |
| 361485                   | SPRING GROVE COOP    | AS   | 3,884,585            | 4,356,461            | 4,463,266            | 4,733,427            | 4,204,389            |
| 361487                   | STARBUCK TEL CO      | AS   | 2,410,957            | 2,488,629            | 2,519,155            | 2,681,194            | 3,219,783            |
| 361491                   | TWIN VALLEY-ULEN TEL | 2    | 6,210,009            | 7,312,949            | 7,723,190            | 8,358,048            | 8,579,701            |
| 361494                   | UPSALA COOP TEL ASSN | AS   | 1,736,369            | 1,550,918            | 1,995,454            | 2,541,970            | 2,100,916            |
| 361495                   | VALLEY TEL CO - MN   | AS   | 11,054,783           | 12,670,542           | 14,063,351           | 5,889,070            | 4,181,255            |
| 361499                   | CROSSLAKE TEL CO     | AS   | 4,212,037            | 5,221,298            | 5,400,544            | 6,376,912            | 6,266,945            |
| 361500                   | NORTHERN TEL CO - MN | AS   | 131,514              | 126,864              | 124,844              | 136,762              | 105,472              |
| 361501                   | WEST CENTRAL TEL     | 2    | 7,347,107            | 8,000,778            | 8,513,515            | 10,014,393           | 9,294,345            |
| 361502                   | WESTERN TEL CO       | AS   | 4,696,115            | 4,974,258            | 5,360,415            | 5,705,674            | 5,167,816            |
| 361505                   | WIKSTROM TEL CO, INC | AS   | 11,958,240           | 14,352,203           | 12,648,904           | 14,823,969           | 14,320,312           |
| 361507                   | WINSTED TEL CO       | AS   | 3,146,037            | 3,191,841            | 3,331,367            | 3,474,735            | 3,131,608            |
| 361508                   | WINTHROP TEL CO      | AS   | 2,355,810            | 2,797,379            | 2,930,910            | 3,032,764            | 3,127,894            |
| 361510                   | WOODSTOCK TEL CO     | AS   | 2,504,624            | 2,718,891            | 2,526,561            | 2,645,200            | 2,911,466            |
| 361512                   | WOLVERTON TEL CO     | AS   | 467,103              | 518,843              | 471,178              | 419,895              | 466,428              |
| 361515                   | ZUMBROTA TEL CO      | AS   | 4,805,772            | 4,687,376            | 4,647,857            | 4,438,567            | 5,400,504            |
| 361854                   | INTERSTATE TELECOMM  | AS   | 3,879,532            | 4,102,358            | 4,527,781            | 4,504,066            | 4,625,422            |
| 365142                   | QWEST CORP - MN      | 1    | 7,300,328,589        | 7,284,449,045        | 6,673,189,420        | 5,749,704,943        | 4,758,921,799        |
| 367123                   | CITIZENS-MN-SOUTH    | 1    | 10,043,218           | 13,339,173           | 11,628,861           | 9,733,814            | 9,648,519            |
| <b>MISSISSIPPI Total</b> |                      |      | <b>4,703,257,912</b> | <b>4,885,970,959</b> | <b>4,659,955,434</b> | <b>4,304,084,864</b> | <b>4,278,217,385</b> |
| 280446                   | BAY SPRINGS TEL CO   | 2    | 33,364,338           | 36,546,761           | 36,969,470           | 36,987,479           | 35,093,218           |
| 280447                   | BRUCE TEL CO - MS    | 2    | 5,347,256            | 5,885,453            | 6,653,020            | 6,794,051            | 7,725,257            |
| 280448                   | CALHOUN CITY TEL CO  | 2    | 7,746,356            | 7,142,069            | 7,413,562            | 7,061,683            | 7,267,062            |
| 280451                   | DECATUR TEL CO - MS  | AS   | 4,523,479            | 5,031,177            | 5,197,213            | 4,616,278            | 4,595,670            |
| 280452                   | DELTA TEL CO         | 2    | 12,468,516           | 14,231,547           | 14,627,665           | 14,466,602           | 17,151,815           |
| 280453                   | ALL TEL MISSISSIPPI  | 2    | 27,281,402           | 30,603,844           | 32,306,266           | 31,917,030           | 32,620,239           |
| 280454                   | FRANKLIN TEL CO - MS | 2    | 23,140,078           | 26,092,676           | 28,213,629           | 27,579,827           | 27,019,796           |
| 280455                   | FULTON TEL CO        | 2    | 20,481,747           | 21,590,787           | 23,219,539           | 24,060,867           | 24,704,866           |
| 280456                   | GEORGETOWN TEL CO    | 2    | 811,274              | 689,984              | 810,887              | 1,084,940            | 1,779,904            |
| 280457                   | LAKEVIEW TEL CO      | 2    | 1,356,696            | 1,647,078            | 1,839,706            | 1,553,359            | 1,502,609            |
| 280458                   | CENTURYTEL - N MISS  | 2    | 81,959,653           | 82,651,884           | 85,166,794           | 86,923,768           | 92,831,286           |
| 280460                   | FRONTIER-MISSISSIPPI | AS   | 14,692,530           | 15,167,617           | 15,150,019           | 16,069,315           | 15,445,068           |
| 280461                   | NOXAPATER TEL CO     | 2    | 2,200,687            | 2,517,562            | 2,698,230            | 3,001,829            | 2,770,875            |
| 280462                   | MOUND BAYOU TEL & CO | 2    | 4,751,626            | 4,834,210            | 5,628,605            | 6,313,951            | 8,024,855            |
| 280466                   | SLEDGE TEL CO        | 2    | 1,891,475            | 2,047,050            | 2,544,840            | 2,600,765            | 2,424,874            |
| 280467                   | SMITHVILLE TEL CO    | AS   | 2,368,134            | 2,592,199            | 2,731,592            | 2,815,574            | 2,507,991            |
| 283301                   | SOUTHEAST MS TEL CO  | 2    | 11,715,589           | 10,713,612           | 11,679,337           | 12,137,108           | 13,391,591           |



**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(in Thousands)**

| Study Area ID Code         | Study Area Name      | Type | 1999                  | 2000                  | 2001                  | 2002                 | 2003                 |
|----------------------------|----------------------|------|-----------------------|-----------------------|-----------------------|----------------------|----------------------|
| <b>MISSISSIPPI (CONT.)</b> |                      |      |                       |                       |                       |                      |                      |
| 285184                     | SO CENTRAL BELL -MS  | 1    | 4,445,212,030         | 4,614,076,827         | 4,375,114,187         | 4,015,344,899        | 3,979,547,832        |
| 287449                     | MYRTLE TEL CO        | AS   | 1,845,045             | 1,908,422             | 1,792,873             | 1,755,539            | 1,812,587            |
| <b>MISSISSIPPI Total</b>   |                      |      | <b>10,502,162,186</b> | <b>10,883,438,617</b> | <b>10,308,599,056</b> | <b>9,508,310,573</b> | <b>9,110,047,721</b> |
| 420463                     | BPS Tel. Co.         | 2    | 11,228,695            | 12,228,228            | 11,907,210            | 12,500,764           | 14,602,671           |
| 420472                     | Cass County Tel. Co. | 2    | 21,028,242            | 18,902,843            | 21,004,957            | 19,873,266           | 18,682,171           |
| 421151                     | SPECTRA COMM. GROUP  | 2    | N/A                   | 121,557,469           | 267,077,268           | 324,906,089          | 330,154,360          |
| 421206                     | IAMO TEL CO - MO     | AS   | 3,511,689             | 3,530,276             | 3,000,141             | 3,070,607            | 3,502,074            |
| 421759                     | CRAW-KAN TEL COOP-MO | AS   | 7,861,706             | 8,083,387             | 8,280,530             | 8,897,778            | 10,262,712           |
| 421807                     | MOKAN DIAL INC-MO    | 2    | 1,613,251             | 1,430,404             | 1,554,201             | 1,669,061            | 2,234,694            |
| 421860                     | ALMA COMM. CO        | AS   | 817,934               | 883,787               | 888,651               | 900,254              | 947,498              |
| 421864                     | CHARITON VALLEY TEL  | 2    | 18,385,477            | 20,590,287            | 22,780,950            | 24,415,608           | 24,539,747           |
| 421865                     | CITIZENS TEL CO - MO | 2    | 11,169,373            | 13,040,252            | 12,264,151            | 9,247,568            | 8,566,860            |
| 421866                     | Ozark Tel. Co.       | 2    | 9,638,561             | 10,339,876            | 10,810,302            | 10,615,462           | 12,418,303           |
| 421874                     | ELLINGTON TEL CO     | 2    | 4,087,072             | 4,743,622             | 5,424,074             | 5,133,796            | 5,937,090            |
| 421876                     | FARBER TEL CO        | AS   | 819,499               | 742,106               | 690,359               | 562,535              | 531,247              |
| 421882                     | FIDELITY TEL CO      | 2    | 39,166,498            | 41,242,076            | 42,304,636            | 43,518,817           | 43,678,281           |
| 421885                     | ALLTEL MISSOURI      | 2    | 146,442,241           | 160,978,595           | 166,436,044           | 173,079,124          | 192,205,781          |
| 421886                     | GOODMAN TEL CO       | 2    | 6,006,240             | 6,051,483             | 6,114,918             | 6,069,866            | 7,191,448            |
| 421887                     | GRANBY TEL CO - MO   | 2    | 7,458,909             | 7,737,704             | 8,236,883             | 7,817,431            | 8,734,714            |
| 421888                     | GRAND RIVER MUT-MO   | 2    | 36,954,877            | 34,385,324            | 38,347,722            | 41,076,884           | 40,996,819           |
| 421890                     | GREEN HILLS TEL CORP | 2    | 7,801,500             | 8,610,696             | 10,077,751            | 9,192,989            | 10,302,660           |
| 421893                     | CHOCTAW TELEPHONE CO | AS   | 1,657,925             | 1,686,718             | 1,752,028             | 1,514,641            | 1,479,625            |
| 421900                     | KLM TEL CO           | AS   | 3,456,507             | 4,347,645             | 4,924,849             | 4,891,608            | 4,231,362            |
| 421901                     | KINGDOM TELEPHONE CO | 2    | 13,222,625            | 12,404,650            | 13,357,064            | 12,942,556           | 12,151,854           |
| 421906                     | LE-RU TELEPHONE CO   | 2    | 5,487,119             | 5,831,807             | 6,550,974             | 7,024,046            | 7,909,646            |
| 421912                     | MCDONALD COUNTY TEL  | 2    | 13,460,510            | 15,028,593            | 15,585,852            | 15,108,045           | 15,949,263           |
| 421914                     | MARK TWAIN RURAL TEL | 2    | 11,036,515            | 12,226,714            | 13,061,611            | 13,451,036           | 13,438,931           |
| 421917                     | MID-MISSOURI TEL CO  | 2    | 9,781,816             | 9,815,789             | 11,496,477            | 12,162,345           | 9,269,418            |
| 421920                     | MILLER TEL CO - MO   | 2    | 3,175,427             | 3,351,659             | 3,038,018             | 3,418,042            | 2,513,202            |
| 421927                     | NEW FLORENCE TEL CO  | 2    | 1,000,905             | 902,283               | 794,071               | 982,543              | 1,187,712            |
| 421928                     | NEW LONDON TEL CO    | 2    | 2,116,184             | 1,709,785             | 1,710,497             | 1,878,123            | 1,742,189            |
| 421929                     | HOLWAY TEL CO        | 2    | 1,277,268             | 1,351,848             | 1,531,524             | 1,537,335            | 1,406,169            |
| 421931                     | NE MISSOURI RURAL    | 2    | 25,374,491            | 29,166,050            | 28,305,398            | 27,508,733           | 26,212,739           |
| 421932                     | LATHROP TEL COMPANY  | AS   | 3,736,956             | 3,335,454             | 3,606,561             | 3,526,329            | 3,306,643            |
| 421934                     | ORCHARD FARM TEL CO  | 2    | 1,067,665             | 920,902               | 932,798               | 1,029,455            | 924,903              |
| 421935                     | OREGON FARMERS MUT   | 2    | 2,568,669             | 2,546,086             | 2,880,550             | 2,611,385            | 2,703,696            |
| 421936                     | PEACE VALLEY TEL CO  | AS   | 1,715,380             | 1,852,859             | 1,768,580             | 1,200,581            | 1,492,110            |
| 421942                     | ROCK PORT TEL CO     | AS   | 7,286,535             | 7,199,281             | 6,731,278             | 5,821,229            | 6,405,497            |
| 421945                     | SENECA TEL CO        | 2    | 9,227,399             | 9,754,078             | 10,106,137            | 9,558,805            | 11,327,160           |
| 421949                     | STEELVILLE TEL EXCH  | 2    | 7,230,649             | 12,556,735            | 13,530,589            | 11,311,288           | 11,655,299           |
| 421951                     | STOUTLAND TEL CO     | 2    | 3,399,616             | 3,025,014             | 3,123,790             | 2,974,858            | 3,551,077            |
| 421957                     | UTC OF MISSOURI      | 2    | 653,893,544           | 737,330,132           | 737,403,129           | 729,348,700          | 723,857,915          |
| 425213                     | SOUTHWESTERN BELL-MO | 1    | 8,043,828,155         | 8,224,957,845         | 7,710,720,174         | 6,918,603,988        | 6,471,200,253        |
| 429784                     | CENTURYTEL-MO CEN    | 1    | 377,793,542           | 356,882,873           | 304,337,751           | 289,111,624          | 280,577,246          |
| 429785                     | CENTURYTEL-MO BELLE  | 1    | 10,111,553            | 9,660,041             | 9,368,230             | 10,731,902           | 11,465,162           |
| 429786                     | CENTURYTEL-MO SOUTH  | 1    | 165,977,431           | 142,881,596           | 75,305,648            | 73,499,042           | 82,888,582           |
| 429787                     | CENTURYTEL-MO SW     | 1    | 789,306,036           | 797,555,683           | 689,474,730           | 643,836,337          | 665,910,738          |
| <b>MONTANA Total</b>       |                      |      | <b>2,066,255,840</b>  | <b>2,126,780,415</b>  | <b>2,069,223,697</b>  | <b>1,991,394,016</b> | <b>1,927,664,621</b> |
| 482235                     | BLACKFOOT TEL - BTC  | 2    | 32,567,118            | 28,015,279            | 28,126,835            | 28,847,926           | 31,348,473           |
| 482241                     | HOT SPRINGS TEL CO   | 2    | 2,379,895             | 2,511,580             | 2,677,190             | 2,970,819            | 3,209,406            |
| 482242                     | INTERBEL TEL COOP    | 2    | 7,655,649             | 8,542,574             | 8,934,720             | 9,863,453            | 10,429,605           |
| 482244                     | LINCOLN TEL CO INC   | 2    | 5,430,073             | 3,397,718             | 3,685,828             | 3,674,804            | 4,292,291            |
| 482246                     | MID-RIVERS TEL COOP  | 2    | 37,737,827            | 41,979,733            | 42,425,616            | 46,584,113           | 47,024,647           |
| 482247                     | NEMONT TEL COOP-MT   | 2    | 45,216,733            | 45,322,681            | 46,531,684            | 49,222,156           | 50,168,181           |
| 482248                     | NORTHERN TEL COOP    | 2    | 5,287,117             | 5,136,707             | 4,756,496             | 5,632,078            | 5,492,455            |
| 482249                     | CENTURYTEL-MONTANA   | 2    | 208,203,308           | 231,372,220           | 243,471,557           | 255,869,455          | 247,770,660          |
| 482250                     | PROJECT TEL CO       | 2    | 19,850,671            | 21,867,299            | 24,417,100            | 23,394,316           | 19,703,476           |
| 482251                     | RANGE TEL COOP-MT    | 2    | 16,003,581            | 17,276,914            | 18,314,549            | 18,443,466           | 17,425,650           |
| 482252                     | RONAN TEL CO         | AS   | 12,106,420            | 11,791,386            | 11,552,312            | 12,010,977           | 12,406,226           |
| 482254                     | SOUTHERN MONTANA TEL | 2    | 3,100,851             | 3,461,020             | 3,477,897             | 3,644,801            | 3,689,998            |
| 482255                     | 3-RIVERS TEL COOP    | 2    | 59,721,376            | 61,625,794            | 63,818,103            | 68,438,500           | 69,860,157           |
| 482257                     | TRIANGLE TEL COOP    | 2    | 34,776,932            | 33,871,534            | 36,925,947            | 37,848,909           | 36,191,521           |
| 483308                     | BLACKFOOT TEL - CFT  | 2    | 36,874,693            | 34,442,994            | 34,802,096            | 36,939,013           | 40,103,756           |
| 483310                     | CENTRAL MONTANA      | 2    | 27,488,504            | 25,843,930            | 26,563,307            | 26,377,435           | 26,652,534           |
| 484322                     | CITIZENS-MONTANA     | 2    | 31,941,623            | 35,391,513            | 35,829,584            | 32,907,621           | 35,041,838           |
| 485104                     | QWEST CORP - MT      | 1    | 1,484,013,269         | 1,514,829,539         | 1,434,912,896         | 1,326,724,074        | 1,266,853,747        |
| <b>NEBRASKA Total</b>      |                      |      | <b>3,419,614,699</b>  | <b>3,441,650,431</b>  | <b>3,106,443,079</b>  | <b>2,803,080,647</b> | <b>2,524,706,688</b> |
| 371128                     | CITIZENS-NE-FT-KEARN | 2    | 161,033,571           | 186,379,315           | 166,976,073           | 156,704,540          | 135,542,127          |
| 371516                     | ARAPAHOE TEL CO      | 2    | 7,495,058             | 7,219,524             | 6,858,700             | 7,101,600            | 6,475,719            |
| 371517                     | ARLINGTON TEL CO     | 2    | 2,450,579             | 2,415,626             | 2,613,370             | 2,669,079            | 2,520,459            |
| 371518                     | ELSIE COMM. INC.     | 2    | 839,545               | 655,194               | 661,315               | 734,731              | 743,910              |
| 371524                     | BLAIR TEL CO         | 2    | 25,567,485            | 25,985,020            | 28,039,425            | 27,743,861           | 24,036,191           |
| 371525                     | THREE RIVER TELCO    | 2    | 3,557,119             | 3,581,320             | 3,879,793             | 4,491,369            | 3,628,379            |
| 371526                     | CAMBRIDGE TEL CO -NE | 2    | 3,589,321             | 3,410,436             | 3,580,864             | 3,741,147            | 3,645,129            |
| 371530                     | CONSOLIDATED TELCO   | AS   | 4,762,289             | 6,150,449             | 6,706,414             | 6,916,343            | 6,277,318            |
| 371531                     | CLARKS TELECOM CO    | 2    | 2,494,272             | 3,217,479             | 3,021,287             | 2,522,279            | 2,217,322            |
| 371532                     | CONSOLIDATED TEL CO  | AS   | 7,802,015             | 8,988,606             | 8,362,658             | 8,624,631            | 7,865,895            |
| 371534                     | COZAD TEL CO         | 2    | 8,621,653             | 8,214,522             | 7,901,000             | 7,734,537            | 6,797,769            |
| 371536                     | CURTIS TEL CO        | 2    | 2,251,159             | 2,125,498             | 2,050,039             | 2,383,422            | 2,349,501            |
| 371537                     | DALTON TEL CO, INC   | 2    | 4,455,742             | 3,990,736             | 4,755,123             | 5,628,583            | 5,896,331            |
| 371540                     | DILLER TEL CO        | 2    | 2,274,035             | 2,240,601             | 2,565,865             | 2,813,360            | 2,402,410            |
| 371542                     | EASTERN NEBRASKA TEL | 2    | 8,298,553             | 8,354,713             | 8,457,854             | 8,993,095            | 9,059,751            |
| 371553                     | GLENWOOD TEL MEMBER  | 2    | 5,748,132             | 6,450,030             | 5,191,212             | 5,548,517            | 5,042,185            |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(in Thousands)**

| Study Area ID Code         | Study Area Name      | Type | 1999                  | 2000                  | 2001                  | 2002                  | 2003                  |
|----------------------------|----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>NEBRASKA (CONT.)</b>    |                      |      |                       |                       |                       |                       |                       |
| 371555                     | HAMILTON TEL CO      | AS   | 21,455,323            | 21,825,794            | 20,525,402            | 21,737,815            | 18,929,806            |
| 371556                     | HARTINGTON TEL CO    | AS   | 13,298,608            | 18,330,198            | 10,398,846            | 12,561,745            | 10,826,157            |
| 371557                     | HARTMAN TEL EXCH INC | 2    | 1,657,017             | 1,645,284             | 1,605,319             | 1,702,344             | 1,823,531             |
| 371558                     | HEMINGFORD COOP TEL  | 2    | 2,967,709             | 2,679,367             | 2,603,928             | 2,626,102             | 2,805,905             |
| 371559                     | HENDERSON CO-OP TEL  | 2    | 2,749,476             | 3,062,531             | 2,673,889             | 2,656,099             | 2,587,624             |
| 371561                     | HERSHEY COOP TEL CO  | AS   | 2,760,675             | 2,677,911             | 2,701,723             | 2,551,671             | 2,125,748             |
| 371562                     | CONSOLIDATED TELECOM | AS   | 4,019,817             | 4,424,343             | 4,143,370             | 4,333,315             | 3,652,703             |
| 371563                     | HOOPER TEL CO        | AS   | 2,726,963             | 2,686,821             | 2,568,003             | 3,054,500             | 2,679,407             |
| 371565                     | K & M TEL CO, INC    | AS   | 1,424,588             | 1,608,148             | 1,539,392             | 1,667,422             | 1,778,793             |
| 371567                     | KEYSTONE-ARTHUR TEL  | 2    | 1,815,639             | 1,782,716             | 1,932,793             | 1,990,906             | 1,987,118             |
| 371568                     | ALLTEL NEBRASKA, INC | 1    | 820,654,123           | 869,396,285           | 777,037,781           | 741,001,293           | 696,160,463           |
| 371574                     | NEBRASKA CENTRAL TEL | 2    | 25,847,813            | 27,809,053            | 27,596,659            | 30,848,705            | 29,057,389            |
| 371576                     | NORTHEAST NEBRASKA   | 2    | 25,036,340            | 19,681,763            | 20,936,961            | 21,888,501            | 20,624,868            |
| 371577                     | GREAT PLAINS COMMUN  | 2    | 86,532,299            | 87,055,406            | 87,410,123            | 89,309,312            | 86,564,505            |
| 371581                     | PIERCE TEL CO        | AS   | 3,803,759             | 4,082,643             | 4,022,787             | 4,001,561             | 3,856,212             |
| 371582                     | PLAINVIEW TEL CO     | AS   | 2,572,046             | 2,863,513             | 2,907,888             | 3,056,922             | 2,826,555             |
| 371586                     | ROCK COUNTY TEL CO   | 2    | 2,321,792             | 2,529,795             | 2,392,739             | 2,191,858             | 2,200,227             |
| 371590                     | SODTOWN TEL CO       | AS   | 205,788               | 197,590               | 207,425               | 167,943               | 190,398               |
| 371591                     | SE NEBRASKA TEL CO   | 2    | 13,046,955            | 13,475,591            | 14,058,015            | 16,220,432            | 13,282,179            |
| 371592                     | STANTON TELECOM INC  | 2    | 10,829,311            | 6,632,594             | 4,324,790             | 3,104,631             | 2,604,701             |
| 371595                     | UTC OF THE WEST-NE   | 2    | 111,127,856           | 115,170,802           | 120,827,524           | 111,483,618           | 104,451,039           |
| 371597                     | WAUNETA TEL CO       | 2    | 1,681,925             | 1,674,054             | 1,642,195             | 1,707,765             | 1,688,869             |
| 372455                     | BEKELMAN TEL CO      | 2    | 3,626,325             | 3,282,816             | 3,084,521             | 3,271,547             | 3,364,790             |
| 375143                     | QWEST CORP - NE      | 1    | 2,006,214,224         | 1,947,496,342         | 1,727,680,016         | 1,465,373,546         | 1,283,937,305         |
| <b>NEVADA Total</b>        |                      |      | <b>5,292,782,784</b>  | <b>5,893,816,923</b>  | <b>5,961,983,233</b>  | <b>5,775,568,054</b>  | <b>5,741,160,559</b>  |
| 552220                     | FILER MUTUAL TEL -NV | 2    | 2,944,523             | 4,279,655             | 4,188,167             | 4,070,542             | 3,639,291             |
| 552223                     | CENTURY-GEM STATE-NV | 2    | 1,389,146             | 2,116,311             | 2,267,657             | 2,316,105             | 2,243,067             |
| 552233                     | BUREAU TEL CO - NV   | 2    | 7,387,432             | 4,552,446             | 4,082,961             | 3,623,556             | 4,026,507             |
| 552284                     | BEEHIVE TEL CO - NV  | 2    | 5,647,434             | 4,503,595             | 23,877,016            | 67,777,470            | 73,828,935            |
| 552302                     | VERIZON CALIF - NV   | 1    | 168,534,609           | 171,203,639           | 175,330,128           | 167,917,460           | 170,679,357           |
| 552348                     | CENTEL OF NV         | 1    | 3,687,564,146         | 4,117,324,553         | 4,163,929,304         | 4,008,327,250         | 3,982,598,155         |
| 552349                     | CHURCHILL-CC COMM.   | 2    | 50,694,042            | 48,117,739            | 55,439,332            | 59,633,589            | 55,181,287            |
| 552351                     | LINCOLN CTY TEL SYS  | 2    | 7,153,353             | 8,145,626             | 8,697,219             | 8,354,401             | 8,163,717             |
| 552353                     | MOAPA VALLEY TEL CO  | 2    | 13,538,359            | 13,928,268            | 13,664,413            | 12,130,069            | 11,344,213            |
| 552356                     | RIO VIRGIN TEL CO    | 2    | 35,451,540            | 35,969,814            | 37,107,749            | 37,283,463            | 36,218,728            |
| 553304                     | HUMBOLDT TEL CO      | 2    | 4,522,118             | 4,819,888             | 4,780,551             | 5,069,250             | 4,986,453             |
| 554431                     | CITIZENS-NV-NORTH    | 2    | 105,333,619           | 109,558,015           | 106,010,266           | 100,959,889           | 95,409,247            |
| 554432                     | CITIZENS-NV-SOUTH    | 2    | 9,910,483             | 12,173,114            | 10,484,532            | 7,483,819             | 7,124,839             |
| 555173                     | NEVADA BELL          | 1    | 992,491,980           | 1,357,324,260         | 1,351,903,938         | 1,290,621,191         | 1,285,704,763         |
| <b>NEW HAMPSHIRE Total</b> |                      |      | <b>3,747,988,804</b>  | <b>3,842,835,709</b>  | <b>3,587,531,717</b>  | <b>3,090,981,899</b>  | <b>2,738,575,855</b>  |
| 120038                     | BRETTON WOODS TEL CO | 2    | 2,554,703             | 2,983,561             | 3,150,431             | 3,204,520             | 2,873,115             |
| 120039                     | GRANITE STATE TEL    | 2    | 40,613,684            | 40,840,100            | 41,108,756            | 39,384,266            | 38,879,064            |
| 120042                     | DIXVILLE TEL CO      | AS   | 376,199               | 441,857               | 391,554               | 909,364               | 913,127               |
| 120043                     | DUNBARTON TEL CO     | AS   | 6,833,980             | 7,108,244             | 7,902,143             | 7,693,829             | 7,057,036             |
| 120045                     | KEARSARGE TEL CO     | 2    | 41,221,164            | 40,358,724            | 40,758,111            | 39,040,924            | 37,884,452            |
| 120047                     | MERRIMACK COUNTY TEL | 2    | 28,269,116            | 28,715,639            | 29,646,736            | 27,730,805            | 25,789,459            |
| 120049                     | UNION TEL CO         | 2    | 21,697,213            | 23,237,509            | 23,676,307            | 24,285,593            | 23,971,612            |
| 120050                     | WILTON TEL CO - NH   | 2    | 15,148,589            | 19,715,704            | 17,768,731            | 15,894,432            | 11,492,893            |
| 123321                     | MCTA, INC            | 2    | 54,358,514            | 59,226,795            | 58,356,267            | 52,304,827            | 47,025,232            |
| 125113                     | VERIZON NEWHAMPSHIRE | 1    | 3,536,914,622         | 3,620,207,556         | 3,364,552,681         | 2,880,533,279         | 2,542,689,865         |
| <b>NEW JERSEY Total</b>    |                      |      | <b>24,156,342,881</b> | <b>25,277,189,205</b> | <b>24,248,835,771</b> | <b>21,450,064,423</b> | <b>17,797,114,897</b> |
| 160135                     | WARWICK VALLEY-NJ    | 2    | 31,984,465            | 32,882,204            | 30,609,282            | 26,970,384            | 27,756,252            |
| 160136                     | UNTED TEL - NJ, INC  | 1    | 786,116,406           | 838,619,454           | 825,777,807           | 767,841,101           | 738,464,631           |
| 165120                     | VERIZON NEW JERSEY   | 1    | 23,336,242,010        | 24,405,667,547        | 23,392,448,682        | 20,655,252,938        | 17,030,894,014        |
| <b>NEW MEXICO Total</b>    |                      |      | <b>3,646,713,258</b>  | <b>3,845,016,371</b>  | <b>3,858,600,692</b>  | <b>3,566,505,681</b>  | <b>3,316,356,176</b>  |
| 491184                     | VALOR-NM #1          | 2    | 165,275,820           | 168,332,933           | 167,122,686           | 169,048,724           | 165,679,800           |
| 491193                     | VALOR-NM #2          | 2    | 135,161,829           | 151,922,023           | 167,122,680           | 152,719,375           | 158,598,551           |
| 491231                     | MESCALERO APACHE     | 2    | N/A                   | N/A                   | 1,824,493             | 3,139,950             | 1,757,038             |
| 492066                     | DELL TEL CO-OP - NM  | 2    | 923,980               | 1,047,674             | 1,065,022             | 1,177,828             | 1,437,007             |
| 492176                     | VALLEY TEL COOP - NM | 2    | 6,490,138             | 5,338,900             | 5,796,509             | 6,488,308             | 6,522,775             |
| 492259                     | BACA VALLEY TEL CO   | 2    | 2,969,309             | 3,043,263             | 3,237,883             | 3,341,420             | 3,507,953             |
| 492262                     | ENMR TEL COOP INC-NM | 2    | 48,193,585            | 51,153,670            | 54,360,580            | 45,812,748            | 43,733,679            |
| 492263                     | LA JICARITA RURAL    | 2    | 6,866,365             | 6,877,775             | 8,614,250             | 8,596,009             | 9,838,149             |
| 492264                     | LEACO RURAL TEL COOP | 2    | 8,886,515             | 9,200,468             | 9,510,376             | 8,292,614             | 9,625,525             |
| 492265                     | Tularosa Basin Tel   | 2    | 15,692,906            | 16,767,596            | 15,925,948            | 16,348,252            | 16,835,424            |
| 492268                     | WESTERN NEW MEXICO   | 2    | 27,375,483            | 27,835,560            | 29,263,315            | 31,841,413            | 33,896,581            |
| 492270                     | PENASCO VALLEY TEL   | 2    | 11,561,174            | 12,581,415            | 12,806,567            | 13,728,129            | 13,756,819            |
| 492272                     | ROOSEVELT CNTY RURAL | 2    | 8,987,841             | 8,546,899             | 7,807,473             | 7,908,223             | 8,123,458             |
| 492274                     | CENTURYTEL SW-NM     | 2    | 17,403,896            | 19,925,152            | 20,041,316            | 22,095,349            | 22,139,024            |
| 494449                     | NAVAJO COMMUN-NM     | 2    | 23,360,625            | 27,469,279            | 31,620,414            | 33,903,897            | 35,661,466            |
| 495105                     | QWEST CORP - NM      | 1    | 3,167,763,792         | 3,334,973,764         | 3,322,481,180         | 3,042,063,442         | 2,785,242,927         |
| <b>NEW YORK Total</b>      |                      |      | <b>38,807,832,084</b> | <b>36,836,831,635</b> | <b>33,257,269,364</b> | <b>29,069,204,589</b> | <b>26,007,526,349</b> |
| 150071                     | ARMSTRONG TEL CO-NY  | 2    | 7,908,058             | 8,784,900             | 9,339,776             | 9,888,753             | 10,890,838            |
| 150072                     | FRONTIER-AUSABLE VAL | 2    | 15,229,039            | 18,338,779            | 18,129,564            | 19,813,367            | 19,914,962            |
| 150073                     | BERKSHIRE TEL CORP   | 2    | 15,353,873            | 16,165,190            | 16,229,042            | 15,494,275            | 15,355,543            |
| 150076                     | CASSADAGA TEL CORP   | AS   | 3,354,407             | 3,488,873             | 3,441,854             | 3,331,910             | 3,469,397             |
| 150077                     | CHAMPLAIN TEL CO     | 2    | 21,065,443            | 22,190,210            | 24,911,623            | 20,627,292            | 21,060,633            |
| 150078                     | CHAUTAUQUA & ERIE    | 2    | 30,907,125            | 34,303,968            | 35,480,076            | 35,165,915            | 33,866,642            |
| 150079                     | CHAZY & WESTPORT     | 2    | 9,033,444             | 8,418,609             | 9,535,475             | 10,718,847            | 10,948,252            |
| 150081                     | CITIZENS HAMMOND NY  | 2    | 2,822,175             | 3,280,377             | 2,940,416             | 2,933,908             | 3,153,798             |
| 150084                     | TACONIC TEL CORP     | 2    | 83,462,396            | 86,931,122            | 85,797,184            | 64,158,242            | 77,218,301            |
| 150085                     | CROWN POINT TEL CORP | 2    | 2,433,274             | 2,821,638             | 2,824,837             | 2,833,682             | 3,012,781             |



**Table B 4**  
**Total Interstate Access Minutes by Study Area**  
(In Thousands)

| Study Area ID Code          | Study Area Name      | Type | 1990           | 2000           | 2001           | 2002           | 2003           |
|-----------------------------|----------------------|------|----------------|----------------|----------------|----------------|----------------|
| <b>NEW YORK (CONT.)</b>     |                      |      |                |                |                |                |                |
| 150088                      | DELHI TEL CO         | AS   | 14,071,602     | 15,906,025     | 13,819,289     | 13,366,500     | 13,023,753     |
| 150089                      | DEPOSIT TEL CO       | 2    | 22,019,692     | 21,434,781     | 20,584,327     | 20,767,362     | 20,918,472     |
| 150091                      | DUNKIRK & FREDONIA   | 2    | 23,147,879     | 24,727,880     | 25,508,371     | 23,935,467     | 19,412,705     |
| 150092                      | EDWARDS TEL CO       | 2    | 3,740,001      | 3,391,665      | 3,501,827      | 3,520,438      | 3,626,722      |
| 150093                      | EMPIRE TEL CORP      | 2    | 21,746,944     | 17,543,713     | 18,341,775     | 18,257,964     | 18,924,174     |
| 150095                      | FISHERS ISLAND TEL   | 2    | 2,804,050      | 3,139,035      | 3,096,835      | 2,933,640      | 2,140,678      |
| 150097                      | GERMANTOWN TEL CO    | 2    | 6,797,201      | 7,627,229      | 9,597,719      | 7,044,827      | 7,391,170      |
| 150099                      | HANCOCK TEL CO       | 2    | 5,110,890      | 5,642,236      | 5,572,005      | 5,643,629      | 5,888,780      |
| 150100                      | FRONTIER COMM OF NY  | 2    | 269,336,047    | 272,642,946    | 267,420,647    | 258,649,572    | 251,692,314    |
| 150104                      | MARGARETVILLE TEL CO | 2    | 8,661,973      | 9,350,713      | 8,629,089      | 9,117,513      | 9,396,955      |
| 150105                      | MIDDLEBURGH TEL CO   | 2    | 14,187,648     | 16,189,789     | 13,962,920     | 13,981,150     | 14,352,020     |
| 150106                      | ALLTEL NY-FULTON     | 2    | 108,815,772    | 114,436,017    | 114,520,723    | 105,169,445    | 108,592,175    |
| 150107                      | NEWPORT TEL CO       | 2    | 6,343,715      | 5,674,866      | 5,459,351      | 5,985,390      | 5,122,573      |
| 150108                      | NICHOLVILLE TEL CO   | 2    | 5,039,580      | 5,557,021      | 5,188,541      | 5,430,562      | 5,766,705      |
| 150109                      | ALLTEL NY-JAMESTOWN  | 2    | 121,706,212    | 137,151,630    | 136,072,129    | 131,750,415    | 133,329,837    |
| 150110                      | OGDEN TEL CO         | 2    | 69,167,547     | 49,381,234     | 46,759,907     | 40,521,644     | 38,690,944     |
| 150111                      | ONEIDA COUNTY RURAL  | 2    | 7,564,200      | 6,060,816      | 6,997,017      | 6,830,103      | 7,089,735      |
| 150112                      | ONTARIO TEL CO, INC  | AS   | 12,452,852     | 14,259,584     | 13,626,361     | 13,370,119     | 13,414,766     |
| 150113                      | ALLTEL NY-RED JACKET | 2    | 7,773,819      | 8,070,256      | 7,485,110      | 6,411,835      | 6,378,321      |
| 150114                      | ORISKANY FALLS TEL   | 2    | 1,188,046      | 1,120,817      | 1,149,376      | 1,107,170      | 1,038,061      |
| 150116                      | PATTERSONVILLE TEL   | 2    | 3,883,250      | 3,943,256      | 3,327,100      | 3,057,457      | 2,935,459      |
| 150118                      | PORT BYRON TEL CO    | 2    | 5,727,070      | 5,767,556      | 5,914,523      | 5,995,963      | 6,072,634      |
| 150121                      | FRONTIER-ROCHESTER   | 1    | 1,305,753,636  | 1,374,715,980  | 1,327,852,651  | 1,157,212,149  | 1,171,296,169  |
| 150122                      | FRONTIER-SENECA GORH | 2    | 21,564,847     | 22,127,842     | 21,631,118     | 21,532,936     | 18,456,396     |
| 150125                      | STATE TEL CO         | AS   | 16,363,215     | 18,842,222     | 20,899,462     | 19,253,570     | 20,805,023     |
| 150126                      | FRONTIER-SYLVAN LAKE | 2    | 63,984,296     | 68,156,780     | 73,035,412     | 75,569,603     | 79,187,382     |
| 150129                      | TOWNSHIP TEL CO      | 2    | 8,530,453      | 8,356,378      | 7,984,797      | 7,856,152      | 8,105,678      |
| 150131                      | TRUMANSBURG TEL CO   | 2    | 17,133,173     | 19,705,947     | 19,296,033     | 19,323,887     | 19,781,512     |
| 150133                      | VERNON TEL CO        | 2    | 5,720,236      | 5,293,509      | 5,285,428      | 4,735,449      | 4,874,259      |
| 150135                      | WARWICK VALLEY-NY    | 2    | 81,496,702     | 65,536,570     | 84,316,010     | 81,874,020     | 82,946,587     |
| 154532                      | CITIZENS TELECOM-NY  | 1    | 693,542,731    | 619,128,278    | 663,679,927    | 642,280,101    | 693,734,983    |
| 154533                      | CITIZENS RED HOOK    | 1    | 39,858,779     | 35,582,065     | 38,142,524     | 47,918,086     | 46,062,549     |
| 154534                      | CITIZENS-WEST CNTY   | 1    | 63,774,044     | 56,931,335     | 61,028,039     | 64,710,137     | 72,393,195     |
| 155130                      | VERIZON NEW YORK     | 1    | 35,561,274,636 | 33,566,718,816 | 29,988,975,174 | 26,039,093,139 | 22,924,869,498 |
| <b>NORTH CAROLINA Total</b> |                      |      |                |                |                |                |                |
| 230466                      | ATLANTIC MEMBERSHIP  | 2    | 102,451,829    | 114,050,728    | 112,938,636    | 113,401,759    | 114,701,915    |
| 230469                      | BARNARDSVILLE TEL CO | 2    | 3,881,916      | 4,276,238      | 4,555,471      | 4,197,636      | 4,275,383      |
| 230470                      | CAROLINA TEL & TEL   | 1    | 3,769,332,850  | 3,980,607,151  | 4,038,133,704  | 3,796,482,634  | 3,670,946,766  |
| 230471                      | CENTEL OF NC         | 2    | 876,146,034    | 732,049,645    | 737,052,273    | 699,186,356    | 680,536,537    |
| 230473                      | CITIZENS TEL CO      | 2    | 80,134,558     | 66,211,657     | 70,032,026     | 63,520,406     | 66,268,784     |
| 230474                      | CONCORD TEL CO       | 2    | 315,636,925    | 324,198,078    | 315,886,991    | 299,608,725    | 303,583,153    |
| 230476                      | ALLTEL CAROLINA-NO   | 2    | 754,390,547    | 796,750,539    | 783,435,333    | 770,481,323    | 756,275,411    |
| 230478                      | ELLERBE TEL CO       | AS   | 6,238,943      | 6,450,719      | 6,121,675      | 6,436,974      | 6,937,234      |
| 230479                      | VERIZON SOUTH - NC   | 1    | 669,818,546    | 931,683,751    | 913,977,372    | 839,994,377    | 757,826,852    |
| 230483                      | LEXCOM TELEPHONE CO  | 2    | 80,453,572     | 83,040,943     | 73,475,946     | 68,515,777     | 73,402,299     |
| 230485                      | MEBEL, INC           | AS   | 33,107,631     | 36,995,226     | 39,949,124     | 37,297,396     | 35,313,743     |
| 230491                      | N ST dba N ST COMM   | AS   | 324,702,413    | 348,984,682    | 341,285,936    | 328,182,783    | 332,667,069    |
| 230494                      | PINEVILLE TEL CO     | AS   | 6,864,446      | 6,430,110      | 7,512,416      | 6,856,613      | 6,513,949      |
| 230495                      | RANDOLPH TEL CO      | AS   | 10,171,445     | 11,535,538     | 11,093,726     | 10,819,601     | 9,660,891      |
| 230496                      | RANDOLPH MEMBERSHIP  | AS   | 16,252,396     | 18,503,838     | 18,286,544     | 16,566,062     | 16,005,474     |
| 230497                      | PIEDMONT MEMBERSHIP  | AS   | 5,451,073      | 6,405,265      | 6,966,394      | 7,150,376      | 7,091,351      |
| 230498                      | SALUDA MOUNTAIN TEL  | 2    | 7,782,670      | 8,210,256      | 8,261,673      | 7,767,086      | 8,458,031      |
| 230500                      | SERVICE TEL CO       | AS   | 17,531,142     | 19,598,965     | 9,274,636      | 3,291,280      | 3,453,855      |
| 230501                      | SKYLINE MEMBERSHIP   | AS   | 84,540,822     | 90,904,207     | 94,194,399     | 91,051,460     | 103,159,474    |
| 230502                      | STAR MEMBERSHIP CORP | 2    | 44,571,599     | 51,633,855     | 56,012,946     | 58,614,535     | 63,982,098     |
| 230503                      | SURRY MEMBERSHIP     | AS   | 30,503,097     | 31,952,379     | 34,731,143     | 35,168,518     | 39,715,701     |
| 230505                      | TRI COUNTY TEL MEMBR | AS   | 6,508,543      | 6,564,632      | 5,921,169      | 7,267,188      | 6,894,088      |
| 230509                      | VERIZON S-NC(CONTEL) | 1    | 411,899,672    | 450,594,997    | 454,881,574    | 465,219,297    | 463,373,973    |
| 230510                      | WILKES MEMBERSHIP    | 2    | 20,270,996     | 21,904,434     | 24,900,599     | 26,689,457     | 30,288,286     |
| 230511                      | YADKIN VALLEY TEL    | AS   | 59,445,298     | 67,664,069     | 68,159,658     | 68,103,885     | 69,941,747     |
| 235193                      | SOUTHERN BELL - NC   | 1    | 8,245,921,722  | 8,398,688,384  | 7,744,507,598  | 7,050,521,989  | 6,528,972,271  |
| <b>NORTH DAKOTA Total</b>   |                      |      |                |                |                |                |                |
| 381131                      | CITIZENS TELECOM ND  | 2    | N/A            | 2,777,672      | 58,751,301     | 58,377,247     | 9,705,970      |
| 381447                      | NORTH DAKOTA TEL CO  | 2    | 65,750,096     | 63,511,408     | 54,458,962     | 54,657,514     | 50,995,732     |
| 381509                      | WOLVERTON TEL CO     | AS   | 891,618        | 850,900        | 893,655        | 820,057        | 769,057        |
| 381601                      | ABSARAKA COOP TEL CO | AS   | 88,830         | 101,404        | 104,478        | 134,243        | 107,644        |
| 381604                      | BEK COMM COOP        | 2    | 19,822,447     | 23,991,986     | 19,548,620     | 16,839,641     | 19,643,519     |
| 381607                      | CONSOLIDATED TELCOM  | 2    | 32,762,175     | 35,222,390     | 31,908,288     | 30,562,083     | 28,185,644     |
| 381610                      | DAKOTA CENTRAL COOP  | 2    | 16,830,827     | 17,489,121     | 15,348,138     | 15,450,900     | 14,257,819     |
| 381611                      | DICKEY RURAL COOP    | 2    | 29,407,045     | 33,907,514     | 29,695,818     | 31,494,517     | 37,027,506     |
| 381614                      | POLAR TELECOMM       | AS   | 4,347,528      | 4,219,649      | 3,771,306      | 4,473,063      | 6,383,241      |
| 381615                      | GRIGGS COUNTY TEL CO | AS   | 6,889,532      | 6,677,536      | 7,205,657      | 6,963,769      | 6,647,944      |
| 381616                      | INTER-COMMUNITY TEL  | 2    | 9,037,009      | 10,146,412     | 7,899,220      | 8,222,124      | 7,606,646      |
| 381617                      | MIDSTATE TEL CO      | 2    | 7,327,131      | 7,657,337      | 6,508,699      | 5,710,588      | 5,949,068      |
| 381622                      | MOORE & LIBERTY TEL  | AS   | 3,194,948      | 3,097,777      | 3,166,898      | 3,141,297      | 2,954,762      |
| 381623                      | NOONAN FARMERS TEL   | AS   | 895,327        | 1,869,633      | 2,431,844      | 2,685,329      | 666,973        |
| 381625                      | NORTHWEST COMM COOP  | AS   | 18,490,693     | 19,225,682     | 14,653,950     | 15,399,834     | 14,351,902     |
| 381630                      | POLAR COMM MUT AID   | 2    | 24,819,778     | 22,681,559     | 23,758,314     | 24,337,637     | 23,662,139     |
| 381631                      | RED RIVER RURAL TEL  | AS   | 10,628,957     | 10,944,632     | 11,432,868     | 11,386,585     | 14,302,234     |
| 381632                      | RESERVATION TEL COOP | 2    | 24,652,345     | 25,596,867     | 22,877,768     | 22,714,401     | 24,288,905     |
| 381636                      | UNITED TEL MUTUAL    | 2    | 39,159,913     | 38,191,093     | 39,944,147     | 34,061,520     | 31,506,270     |
| 381637                      | W RIVER TELECOM      | 2    | 49,755,577     | 52,355,714     | 50,954,354     | 47,955,577     | 47,776,292     |
| 381638                      | MIDSTATE COMM        | AS   | 4,899,696      | 4,853,731      | 4,476,900      | 4,063,858      | 4,291,230      |
| 382247                      | NEMONT TEL COOP - ND | 2    | 974,776        | 1,019,963      | 998,573        | 978,245        | 24,722,332     |
| 383303                      | SRT COMMUNICATIONS   | AS   | 142,567,836    | 155,595,129    | 144,251,200    | 142,867,169    | 133,720,346    |
| 385144                      | QWEST CORP - ND      | 1    | 853,469,626    | 853,298,414    | 670,363,440    | 618,513,094    | 533,943,606    |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(In Thousands)**

| Study Area ID Code                    | Study Area Name      | Type | 1999                  | 2000                  | 2001                  | 2002                  | 2003                  |
|---------------------------------------|----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>NORTHERN MARIANA ISLANDS Total</b> |                      |      | <b>71,634,483</b>     | <b>88,723,525</b>     | <b>100,092,852</b>    | <b>101,465,390</b>    | <b>76,562,894</b>     |
| 653700                                | MICRONESIAN TELECOMM | 2    | 71,634,483            | 88,723,525            | 100,092,852           | 101,465,390           | 76,562,894            |
| <b>OHIO Total</b>                     |                      |      | <b>17,577,272,745</b> | <b>18,135,728,676</b> | <b>17,767,362,690</b> | <b>16,478,149,031</b> | <b>14,617,574,027</b> |
| 300585                                | ARCADIA TEL CO       | AS   | 1,834,494             | 1,660,687             | 1,429,000             | 1,324,669             | 1,332,894             |
| 300586                                | THE ARTHUR MUTUAL    | AS   | 3,307,856             | 3,751,522             | 4,048,916             | 3,707,041             | 4,022,954             |
| 300588                                | AYERSVILLE TEL CO    | AS   | 2,939,425             | 3,161,958             | 2,658,008             | 3,198,108             | 3,043,073             |
| 300589                                | BASCOM MUTUAL TEL CO | AS   | 1,012,408             | 1,415,932             | 1,116,461             | 1,568,644             | 1,508,376             |
| 300590                                | BENTON RIDGE TEL CO  | AS   | 2,752,685             | 3,029,118             | 3,368,383             | 2,731,389             | 1,731,307             |
| 300591                                | BUCKLAND TEL CO      | AS   | 1,800,468             | 2,137,885             | 2,136,764             | 2,123,312             | 2,414,773             |
| 300594                                | THE CHAMPAIGN TEL CO | AS   | 20,744,588            | 20,174,466            | 21,219,363            | 20,515,383            | 20,514,143            |
| 300597                                | THE CHILlicoTHE TEL  | 2    | 68,420,219            | 80,906,558            | 82,626,666            | 87,697,327            | 79,227,054            |
| 300598                                | MCCLURE TEL CO       | 2    | 2,223,396             | 2,226,689             | 2,244,933             | 2,009,825             | 1,453,715             |
| 300604                                | COLUMBUS GROVE TEL   | AS   | 3,664,316             | 4,488,074             | 4,268,033             | 4,545,336             | 3,611,852             |
| 300606                                | CONNEAUT TEL CO      | 2    | 17,979,090            | 22,158,527            | 22,388,678            | 21,295,208            | 21,064,647            |
| 300607                                | CONTINENTAL OF OHIO  | 2    | 4,332,624             | 4,604,652             | 4,560,103             | 4,070,451             | 3,829,991             |
| 300609                                | DOYLESTOWN TEL CO    | AS   | 10,144,995            | 10,207,268            | 9,354,962             | 8,564,258             | 9,005,024             |
| 300612                                | FARMERS MUTUAL TEL   | 2    | 967,593               | 943,717               | 942,955               | 1,208,624             | 946,878               |
| 300613                                | LITTLE MIAMI COMM    | 2    | 5,739,874             | 5,600,599             | 5,196,454             | 5,314,360             | 5,080,841             |
| 300614                                | FORT JENNINGS TEL CO | AS   | 1,877,780             | 1,997,294             | 1,998,727             | 1,993,502             | 1,343,726             |
| 300615                                | VERIZON NORTH - OH   | 1    | 2,240,601,185         | 2,374,751,967         | 2,389,624,051         | 2,327,977,902         | 2,225,533,877         |
| 300618                                | GERMANTOWN INDEPEND  | AS   | 8,904,980             | 8,696,646             | 9,283,366             | 9,008,403             | 9,099,534             |
| 300619                                | GLANDORF TEL CO      | AS   | 1,716,576             | 1,940,798             | 1,579,648             | 1,672,060             | 1,524,261             |
| 300625                                | KALIDA TEL CO        | AS   | 2,759,515             | 3,221,080             | 3,403,898             | 4,177,802             | 3,177,770             |
| 300630                                | CENTURYTEL OHIO      | 2    | 219,230,166           | 231,651,832           | 226,411,789           | 231,764,183           | 107,780,263           |
| 300630                                | CENTURYTEL OF OHIO   | 2    | N/A                   | N/A                   | N/A                   | N/A                   | 107,547,203           |
| 300633                                | MIDDLE POINT HOME    | AS   | 1,934,434             | 2,055,919             | 2,028,471             | 1,826,811             | 1,724,389             |
| 300634                                | MINFORD TEL CO       | AS   | 6,642,345             | 6,222,400             | 8,091,181             | 6,684,827             | 9,341,086             |
| 300639                                | THE NEW KNOXVILLE    | AS   | 3,639,442             | 3,629,205             | 3,274,496             | 2,835,616             | 2,402,924             |
| 300644                                | THE NOVA TEL CO      | 2    | 3,774,891             | 4,354,136             | 4,071,210             | 3,897,260             | 3,462,803             |
| 300645                                | OAKWOOD TEL CO       | AS   | 2,322,873             | 2,438,227             | 2,259,665             | 3,232,731             | 3,186,834             |
| 300649                                | ORWELL TEL CO        | 2    | 15,507,287            | 17,544,927            | 18,012,517            | 17,071,430            | 16,795,016            |
| 300650                                | OTTOVILLE MUTUAL     | AS   | 2,328,865             | 2,415,646             | 2,428,540             | 2,405,477             | 2,365,262             |
| 300651                                | PATTERSONVILLE TEL   | AS   | 787,575               | 982,285               | 959,189               | 1,007,365             | 1,116,728             |
| 300654                                | RIDGEVILLE TEL CO    | AS   | 1,964,131             | 2,190,971             | 2,448,399             | 2,447,228             | 2,853,370             |
| 300656                                | SHERWOOD MUTUAL TEL  | AS   | 3,236,175             | 3,676,138             | 3,154,929             | 3,115,291             | 2,615,793             |
| 300658                                | SYCAMORE TEL CO      | 2    | 5,186,918             | 6,659,221             | 4,977,158             | 4,584,558             | 3,451,596             |
| 300659                                | TELEPHONE SERVICE    | AS   | 27,904,303            | 29,828,165            | 23,048,662            | 22,044,174            | 21,083,603            |
| 300661                                | UTC OF OHIO          | 1    | 1,488,209,559         | 1,652,733,759         | 1,643,170,966         | 1,585,957,647         | 1,551,343,835         |
| 300662                                | VANLUE TEL CO        | AS   | 1,615,119             | 1,544,479             | 1,359,418             | 1,177,066             | 1,021,077             |
| 300663                                | VAUGHNSVILLE TEL CO  | AS   | 805,462               | 941,337               | 955,138               | 891,904               | 748,722               |
| 300664                                | WABASH MUTUAL TEL CO | AS   | 1,778,741             | 1,979,231             | 2,084,780             | 2,074,504             | 1,895,378             |
| 300665                                | ALLTEL OHIO INC      | 2    | 339,924,334           | 323,551,408           | 322,000,902           | 303,985,777           | 295,855,740           |
| 300666                                | WESTERN RESERVE TEL  | 2    | 589,641,722           | 567,850,096           | 576,982,165           | 565,387,720           | 583,169,973           |
| 300682                                | FRONTIER - MI - OH   | 2    | 2,287,712             | 2,418,377             | 2,325,430             | 2,547,577             | 2,585,095             |
| 305062                                | CINCINNATI BELL - OH | 1    | 1,979,440,708         | 1,913,392,411         | 1,853,657,308         | 1,765,042,885         | 1,736,288,870         |
| 305150                                | OHIO BELL TEL CO     | 1    | 10,495,384,927        | 10,799,192,971        | 10,487,808,008        | 9,434,467,416         | 7,759,467,655         |
| <b>OKLAHOMA Total</b>                 |                      |      | <b>6,150,742,523</b>  | <b>6,375,780,702</b>  | <b>6,074,350,564</b>  | <b>5,551,928,181</b>  | <b>5,313,123,549</b>  |
| 431185                                | VALOR OK             | 2    | 395,057,516           | 416,209,888           | 381,034,035           | 348,164,875           | 311,865,366           |
| 431704                                | LAVACA TEL CO-OK     | AS   | 4,080,071             | 4,329,967             | 4,669,158             | 5,181,943             | 4,695,165             |
| 431788                                | KANOKLA TEL ASSN-OK  | 2    | 4,243,838             | 3,620,535             | 3,649,560             | 3,019,343             | 3,639,209             |
| 431831                                | S. CENTRAL TEL - OK  | 2    | 25,318,466            | 49,294,051            | 21,968,571            | 1,098,903             | 8,985,688             |
| 431965                                | ALLTEL OKLAHOMA INC  | 2    | 39,622,096            | 39,901,921            | 41,334,023            | 39,917,709            | 40,277,514            |
| 431966                                | ATLAS TEL CO         | 2    | 8,145,964             | 7,808,382             | 7,474,872             | 7,219,102             | 6,352,320             |
| 431968                                | BEGGS TEL CO         | AS   | 3,624,176             | 3,536,604             | 3,746,712             | 3,925,704             | 4,138,628             |
| 431969                                | BIXBY TEL CO         | 2    | 24,846,223            | 26,331,273            | 27,762,167            | 27,437,377            | 28,643,902            |
| 431974                                | CANADIAN VALLEY TEL  | 2    | 3,144,158             | 2,964,010             | 3,661,939             | 4,825,941             | 4,311,532             |
| 431976                                | CARNEGIE TEL CO INC  | 2    | 4,051,888             | 4,137,513             | 3,726,760             | 3,796,827             | 4,233,265             |
| 431977                                | CENTRAL OKLAHOMA TEL | 2    | 5,492,926             | 7,096,685             | 7,698,580             | 9,267,672             | 7,842,767             |
| 431979                                | CHEROKEE TEL CO      | 2    | 19,458,338            | 20,378,580            | 20,159,854            | 20,740,600            | 20,615,955            |
| 431980                                | CHICKASAW TEL CO     | 2    | 29,540,711            | 33,397,584            | 42,345,879            | 42,984,145            | 28,467,772            |
| 431981                                | CHOUTEAU TEL CO      | 2    | 9,373,500             | 10,367,275            | 10,104,823            | 9,790,035             | 9,856,870             |
| 431982                                | CIMARRON TEL CO      | 2    | 17,623,204            | 17,803,952            | 16,763,022            | 17,494,596            | 16,314,353            |
| 431984                                | OKLAHOMA COMM SYSTEM | 2    | 41,257,916            | 37,701,645            | 38,688,809            | 36,468,018            | 38,074,792            |
| 431985                                | CROSS TEL CO         | 2    | 24,362,401            | 27,102,900            | 27,815,381            | 29,056,549            | 30,377,860            |
| 431988                                | DOBSON TEL CO        | 2    | 15,029,972            | 17,829,059            | 18,925,643            | 19,479,832            | 22,812,991            |
| 431994                                | GRAND TEL CO INC     | 2    | 9,988,648             | 10,372,179            | 11,289,195            | 11,107,180            | 11,302,827            |
| 431995                                | HINTON TEL CO        | 2    | 8,518,120             | 9,735,670             | 7,599,477             | 8,526,562             | 7,574,254             |
| 432006                                | MCLoud TEL CO        | 2    | 18,485,166            | 19,068,346            | 19,235,329            | 17,960,021            | 18,122,765            |
| 432008                                | MEDICINE PARK TEL CO | 2    | 2,304,479             | 2,735,431             | 2,852,407             | 2,681,172             | 2,984,854             |
| 432010                                | MID-AMERICA TEL INC  | 2    | 4,004,273             | 3,566,495             | 3,373,141             | 2,997,238             | 4,224,342             |
| 432011                                | OKLAHOMA ALLTEL INC  | 2    | 59,299,897            | 63,711,943            | 64,346,333            | 63,359,556            | 65,268,986            |
| 432013                                | OKLAHOMA TEL & TEL   | 2    | 5,290,791             | 6,259,997             | 6,675,042             | 7,012,640             | 6,787,062             |
| 432014                                | OKLAHOMA WESTERN TEL | 2    | 8,768,164             | 11,121,509            | 11,872,675            | 11,527,452            | 13,781,849            |
| 432016                                | PANHANDLE TEL COOP   | 2    | 88,417,156            | 97,103,775            | 88,106,772            | 82,507,308            | 80,553,996            |
| 432017                                | PINE TELEPHONE CO    | 2    | 19,862,961            | 22,470,334            | 27,333,851            | 28,149,085            | 26,647,112            |
| 432018                                | PIONEER TEL COOP INC | 2    | 138,306,831           | 145,545,692           | 151,753,687           | 151,954,674           | 138,074,963           |
| 432020                                | POTTAWATOMIE TEL CO  | 2    | 5,283,791             | 5,613,245             | 5,965,002             | 6,026,611             | 6,029,472             |
| 432022                                | SALINA-SPAVINAW TEL  | 2    | 21,025,939            | 23,634,912            | 23,115,116            | 23,288,832            | 24,706,270            |
| 432023                                | SHIDLER TEL CO       | 2    | 1,873,562             | 1,751,042             | 1,863,830             | 2,555,912             | 2,339,413             |
| 432025                                | SW OKLAHOMA TEL CO   | 2    | 2,766,066             | 2,380,432             | 2,183,760             | 2,099,857             | 2,197,585             |
| 432029                                | TERRAL TEL CO        | 2    | 964,150               | 1,001,312             | 994,720               | 957,107               | 1,091,166             |
| 432030                                | TOTAH TELEPHONE CO   | 2    | 10,489,307            | 7,174,504             | 6,305,959             | 9,569,962             | 7,334,696             |
| 432032                                | VALLIANT TEL CO      | 2    | 8,128,907             | 8,145,386             | 8,822,586             | 8,251,125             | 8,554,924             |
| 432034                                | WYANDOTTE TEL CO     | 2    | 3,258,210             | 3,122,610             | 3,133,507             | 2,918,831             | 3,114,264             |
| 432141                                | SANTA ROSA TEL COOP  | AS   | 2,516,584             | 2,473,629             | 2,455,958             | 2,277,360             | 2,413,997             |
| 435215                                | SOUTHWESTERN BELL-OK | 1    | 5,058,928,137         | 5,198,884,635         | 4,941,540,429         | 4,476,330,523         | 4,290,513,823         |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(In Thousands)**

| Study Area ID Code | Study Area Name             | Type | 1996                  | 2000                  | 2001                  | 2002                  | 2003                  |
|--------------------|-----------------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                    | <b>OREGON Total</b>         |      | <b>7,361,073,205</b>  | <b>7,507,550,493</b>  | <b>7,271,556,868</b>  | <b>6,525,512,602</b>  | <b>5,885,979,048</b>  |
| 532226             | MIDVALE TEL EXCH -OR        | 2    | 1,563,651             | 1,110,382             | 879,335               | 981,860               | 1,108,265             |
| 532359             | BEAVER CREEK COOP           | 2    | 11,633,553            | 11,643,464            | 11,132,867            | 10,994,663            | 11,243,319            |
| 532361             | CENTURYTEL-EA OREGON        | 2    | 216,127,252           | 210,035,745           | 213,623,616           | 221,465,440           | 221,486,314           |
| 532362             | CANBY TEL ASSN              | 2    | 30,247,069            | 33,124,146            | 33,805,407            | 32,130,806            | 33,382,995            |
| 532363             | CLEAR CREEK MUTUAL          | 2    | 10,450,491            | 10,600,925            | 10,121,976            | 9,456,098             | 9,249,455             |
| 532364             | COLTON TEL CO               | 2    | 3,455,539             | 3,123,905             | 3,277,041             | 3,165,980             | 3,091,174             |
| 532369             | EAGLE TEL SYSTEMS           | 2    | 1,250,654             | 1,314,735             | 1,530,079             | 1,520,089             | 1,649,425             |
| 532371             | CASCADE UTIL INC            | 2    | 24,918,162            | 23,858,441            | 23,612,700            | 27,051,710            | 25,859,329            |
| 532373             | GERVAIS TELEPHONE CO        | 2    | 3,239,990             | 3,086,068             | 2,956,797             | 3,320,428             | 2,210,061             |
| 532375             | ROOME TELECOMM INC          | 2    | 2,632,787             | 2,811,830             | 2,807,743             | 2,586,871             | 3,058,129             |
| 532376             | HELIX TEL CO                | 2    | 1,087,682             | 1,147,347             | 1,336,524             | 1,137,280             | 985,699               |
| 532377             | HOME TELEPHONE CO           | 2    | 1,730,119             | 1,501,754             | 1,539,924             | 1,571,356             | 1,470,903             |
| 532378             | TRANS-CASCADES TEL          | 2    | 719,134               | 636,503               | 678,427               | 896,879               | 922,952               |
| 532383             | MCLALLA TEL CO              | 2    | 16,009,796            | 17,666,344            | 18,763,908            | 16,137,504            | 15,836,218            |
| 532384             | MONITOR COOP TEL            | 2    | 1,878,496             | 1,941,177             | 2,037,444             | 2,053,757             | 1,757,802             |
| 532385             | MONROE TELEPHONE CO         | 2    | 2,719,245             | 2,939,058             | 3,053,050             | 3,191,636             | 2,876,317             |
| 532386             | MT ANGEL TEL CO             | AS   | 4,814,485             | 4,911,677             | 5,024,451             | 5,229,249             | 4,896,563             |
| 532387             | NEHALEM TEL & TEL           | 2    | 6,148,874             | 6,262,513             | 6,819,594             | 6,912,644             | 7,264,750             |
| 532388             | NORTH STATE TEL CO          | 2    | 1,758,322             | 1,999,497             | 2,067,112             | 2,265,761             | 2,327,883             |
| 532389             | OREGON TEL CORP             | 2    | 6,907,347             | 6,609,482             | 6,769,034             | 6,992,910             | 7,148,162             |
| 532390             | OREGON-DAHO UTIL            | 2    | 3,876,546             | 3,992,289             | 4,415,620             | 4,424,188             | 4,196,709             |
| 532391             | PEOPLES TEL CO - OR         | AS   | 3,706,350             | 3,919,558             | 3,901,304             | 5,740,019             | 3,848,377             |
| 532392             | PINE TEL SYSTEM INC         | 2    | 3,158,486             | 3,324,234             | 3,435,862             | 3,647,526             | 3,912,220             |
| 532393             | PIONEER TEL COOP            | 2    | 43,644,875            | 42,452,099            | 43,671,006            | 46,639,177            | 48,998,624            |
| 532396             | ST PAUL COOP ASSN           | AS   | 1,793,648             | 1,768,784             | 1,677,924             | 1,662,441             | 1,449,935             |
| 532397             | SCIO MUTUAL TEL ASSN        | 2    | 5,182,560             | 5,481,474             | 5,735,018             | 5,567,741             | 5,907,158             |
| 532399             | STAYTON COOP TEL CO         | AS   | 16,380,666            | 19,153,885            | 19,708,273            | 19,462,508            | 24,485,882            |
| 532400             | UTC OF THE NW - OR          | 2    | 210,971,236           | 231,685,734           | 228,516,101           | 222,080,125           | 214,153,056           |
| 532404             | ASOTIN TEL - OR             | 2    | 438,218               | 515,345               | 515,794               | 553,222               | 617,642               |
| 532416             | VERIZON N WEST - OR         | 1    | 1,739,260,865         | 1,826,285,839         | 1,812,031,655         | 1,605,485,824         | 1,424,040,890         |
| 532458             | MALHEUR HOME TEL CO         | 2    | 64,605,344            | 68,685,441            | 68,508,646            | 65,440,668            | 58,519,466            |
| 533401             | CITIZENS-OREGON             | 2    | 47,235,191            | 47,640,125            | 48,464,000            | 47,805,905            | 47,691,562            |
| 535163             | QWEST CORP -OR              | 1    | 4,866,530,610         | 4,906,619,715         | 4,679,137,932         | 4,141,890,354         | 3,695,345,819         |
|                    | <b>PENNSYLVANIA Total</b>   |      | <b>22,880,982,045</b> | <b>23,056,883,108</b> | <b>21,567,002,605</b> | <b>19,614,893,874</b> | <b>18,190,789,118</b> |
| 170145             | THE BENTLEYVILLE TEL        | AS   | 9,475,730             | 7,606,742             | 7,052,501             | 7,042,978             | 6,969,345             |
| 170149             | FRONTIER-BREEZEWOOD         | 2    | 16,726,389            | 17,068,170            | 16,054,204            | 15,929,812            | 16,457,106            |
| 170151             | BUFFALO VALLEY TEL          | AS   | 59,033,438            | 57,725,763            | 58,545,386            | 55,363,003            | 61,070,954            |
| 170152             | FRONTIER CANTON             | 2    | 9,272,897             | 9,548,084             | 8,663,029             | 9,386,599             | 10,446,554            |
| 170156             | CITIZENS - KECKSBURG        | AS   | 11,133,188            | 12,264,669            | 12,419,001            | 11,696,293            | 12,118,557            |
| 170161             | COMMONWEALTH TEL CO         | AS   | 567,449,234           | 616,071,864           | 663,518,043           | 643,389,293           | 653,113,899           |
| 170162             | THE CONESTOGA TEL           | AS   | 124,948,995           | 135,087,997           | 131,322,061           | 124,868,394           | 130,342,504           |
| 170165             | DENVER & EPHRATA            | AS   | 136,934,351           | 145,776,911           | 128,597,644           | 121,239,178           | 113,278,503           |
| 170168             | FRONTIER-PA                 | 2    | 73,911,719            | 74,012,016            | 72,912,456            | 73,372,863            | 67,909,129            |
| 170169             | VERIZON NORTH - PA          | 1    | 1,433,367,442         | 1,508,254,147         | 1,477,352,448         | 1,413,130,818         | 1,305,184,800         |
| 170170             | VERIZON N-PA(CONTEL)        | 1    | 190,227,441           | 190,548,235           | 187,575,765           | 169,166,640           | 156,723,044           |
| 170171             | HICKORY TEL CO              | AS   | 3,214,534             | 3,631,360             | 4,063,942             | 3,498,520             | 4,514,060             |
| 170175             | IRONTON TEL CO              | AS   | 14,092,734            | 15,213,757            | 14,754,001            | 36,332,349            | 28,989,861            |
| 170176             | ALLTEL PENNSYLVANIA         | 2    | 538,643,759           | 537,477,018           | 537,160,020           | 534,317,791           | 540,717,197           |
| 170177             | LACKAWAXEN TELECOM          | 2    | 12,618,932            | 13,007,895            | 13,585,323            | 13,139,440            | 14,223,861            |
| 170178             | FRONTIER- LAKEWOOD          | 2    | 3,459,004             | 3,585,151             | 3,394,871             | 3,261,762             | 3,549,136             |
| 170179             | LAUREL HIGHLAND TEL         | AS   | 8,801,998             | 6,708,274             | 6,514,243             | 6,492,036             | 6,761,780             |
| 170183             | MAHANOY & MAHANTANGO        | 2    | 6,569,590             | 5,633,355             | 5,395,669             | 5,061,753             | 4,997,178             |
| 170185             | MAHANOY - SCENERY           | 2    | 8,643,496             | 9,411,749             | 8,546,824             | 9,288,356             | 8,082,168             |
| 170189             | ARMSTRONG TEL CO-PA         | 2    | 4,284,652             | 5,107,535             | 6,110,454             | 6,072,385             | 5,604,880             |
| 170191             | NORTH EASTERN PA TEL        | AS   | 33,613,978            | 39,779,153            | 34,668,696            | 36,160,707            | 36,010,676            |
| 170192             | NORTH PENN TEL CO           | 2    | 25,435,956            | 20,068,110            | 19,573,270            | 21,396,701            | 23,778,176            |
| 170193             | NORTH PITTSBURGH TEL        | AS   | 238,759,655           | 273,281,754           | 270,687,258           | 285,479,499           | 248,169,562           |
| 170194             | FRONTIER-OSWAYO RIVR        | 2    | 7,479,772             | 8,383,133             | 7,985,948             | 8,429,173             | 9,701,926             |
| 170195             | ARMSTRONG TEL NORTH         | AS   | 1,439,128             | 1,522,645             | 1,628,663             | 1,590,448             | 1,527,809             |
| 170196             | PALMERTON TEL CO            | AS   | 36,493,940            | 30,999,422            | 32,319,914            | 32,060,634            | 36,782,842            |
| 170197             | PENNSYLVANIA TEL CO         | AS   | 2,220,417             | 2,552,385             | 2,654,004             | 2,771,770             | 3,146,202             |
| 170200             | PYMATUNING IND TEL          | AS   | 6,763,874             | 6,637,562             | 6,385,533             | 6,029,910             | 5,741,463             |
| 170201             | VERIZON N-PA(QUAKER)        | 1    | 146,645,298           | 157,260,030           | 163,387,826           | 165,891,621           | 167,059,921           |
| 170204             | SOUTH CANAAN TEL CO         | AS   | 7,581,374             | 6,009,330             | 6,576,998             | 6,841,886             | 6,691,180             |
| 170206             | SUGAR VALLEY TEL CO         | 2    | 2,438,275             | 2,356,762             | 2,127,166             | 1,961,388             | 2,024,613             |
| 170209             | UTC OF PENNSYLVANIA         | 1    | 962,890,685           | 1,063,428,862         | 1,064,307,902         | 1,002,566,308         | 1,026,654,715         |
| 170210             | VENUS TEL CORP              | AS   | 3,784,013             | 5,205,202             | 5,759,817             | 5,955,814             | 6,413,125             |
| 170215             | YUKON - WALTZ TEL CO        | AS   | 2,818,446             | 2,804,479             | 2,563,382             | 2,310,878             | 2,309,179             |
| 170277             | WEST SIDE TEL CO-PA         | AS   | 134,526               | 198,375               | 202,581               | 165,357               | 166,188               |
| 175000             | VERIZON PENNSYLVANIA        | 1    | 18,169,673,298        | 18,085,653,212        | 16,582,435,764        | 14,793,209,516        | 13,463,577,019        |
|                    | <b>PUERTO RICO Total</b>    |      | <b>2,510,274,896</b>  | <b>2,546,735,802</b>  | <b>2,312,440,681</b>  | <b>2,173,250,640</b>  | <b>2,547,149,087</b>  |
| 633200             | P R T C - CENTRAL           | 1    | 314,587,928           | 319,296,748           | 286,135,140           | 255,942,610           | 279,106,087           |
| 633201             | PUERTO RICO TEL CO          | 1    | 2,195,687,568         | 2,227,439,054         | 2,026,305,541         | 1,917,308,230         | 2,268,043,000         |
|                    | <b>RHODE ISLAND Total</b>   |      | <b>2,499,111,941</b>  | <b>2,530,131,957</b>  | <b>2,242,129,819</b>  | <b>1,860,569,771</b>  | <b>1,551,399,149</b>  |
| 585114             | VERIZON RHODE ISLAND        | 1    | 2,499,111,941         | 2,530,131,957         | 2,242,129,819         | 1,860,569,771         | 1,551,399,149         |
|                    | <b>SOUTH CAROLINA Total</b> |      | <b>7,945,781,440</b>  | <b>8,167,335,460</b>  | <b>7,698,729,128</b>  | <b>7,193,972,529</b>  | <b>6,963,105,124</b>  |
| 240479             | VERIZON SOUTH - SC          | 1    | 724,866,502           | 732,712,287           | 689,941,044           | 633,152,227           | 607,094,785           |
| 240506             | UTC OF THE CAROLINAS        | 2    | 339,248,963           | 366,172,544           | 363,203,234           | 342,715,008           | 337,677,483           |
| 240512             | BLUFFTON TEL CO             | 2    | 51,291,350            | 63,547,009            | 71,177,464            | 73,591,357            | 78,966,629            |
| 240515             | CHESNEE TEL CO              | AS   | 11,843,293            | 13,455,970            | 13,907,045            | 13,568,166            | 11,243,681            |
| 240516             | CHESTER TEL CO - SC         | AS   | 49,133,286            | 52,304,699            | 54,340,607            | 51,241,502            | 51,547,501            |
| 240517             | ALLTEL SO CAROLINA          | 2    | 158,126,344           | 167,550,686           | 167,037,258           | 159,586,207           | 171,966,527           |
| 240520             | FARMERS TEL COOP            | 2    | 192,489,699           | 218,190,529           | 234,430,566           | 210,718,075           | 206,187,993           |
| 240521             | FORT MILL TEL CO            | 2    | 99,525,652            | 112,253,113           | 114,069,374           | 111,734,009           | 117,479,655           |
| 240523             | HARGRAY TEL CO              | 2    | 219,103,729           | 236,913,454           | 236,842,588           | 229,901,452           | 216,841,733           |
| 240526             | VERIZON S-SC(CONTEL)        | 1    | 101,118,800           | 104,807,470           | 107,711,844           | 99,835,598            | 98,500,000            |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
(In Thousands)

| Study Area ID Code            | Study Area Name       | Type | 1999                  | 2000                  | 2001                  | 2002                  | 2003                  |
|-------------------------------|-----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>SOUTH CAROLINA (CONT.)</b> |                       |      |                       |                       |                       |                       |                       |
| 240527                        | HOME TEL CO           | 2    | 52,759,636            | 54,515,456            | 44,245,344            | 37,816,663            | 49,880,111            |
| 240528                        | HORRY TEL COOP        | 2    | 280,017,559           | 292,864,634           | 285,905,022           | 315,115,862           | 314,560,611           |
| 240531                        | LANCASTER TEL CO      | 2    | 71,927,438            | 80,676,206            | 81,480,978            | 78,339,720            | 83,279,191            |
| 240532                        | LOCKHART TEL CO INC   | AS   | 941,306               | 892,650               | 825,143               | 824,746               | 868,776               |
| 240533                        | MCCLELLANVILLE TEL    | 2    | 4,975,732             | 5,534,584             | 5,625,445             | 5,811,623             | 6,037,650             |
| 240535                        | NORWAY TEL CO         | AS   | 1,818,771             | 1,980,105             | 1,978,611             | 1,850,820             | 1,910,903             |
| 240536                        | PALMETTO RURAL COOP   | AS   | 44,256,070            | 46,932,873            | 49,475,351            | 43,955,861            | 39,087,642            |
| 240538                        | PIEDMONT RURAL COOP   | 2    | 31,720,158            | 36,258,549            | 37,131,839            | 38,388,560            | 38,980,284            |
| 240539                        | PBT TELECOM INC       | 2    | 37,034,048            | 43,861,114            | 42,270,471            | 45,728,971            | 42,696,921            |
| 240541                        | RIDGEWAY TEL CO       | AS   | 4,756,362             | 5,769,803             | 5,955,942             | 5,793,060             | 6,354,695             |
| 240542                        | ROCK HILL TEL CO      | 2    | 209,266,465           | 229,088,536           | 232,993,477           | 217,383,755           | 222,501,938           |
| 240544                        | ST STEPHEN TEL CO     | 2    | 29,230,920            | 30,781,189            | 19,649,777            | 16,329,621            | 17,189,376            |
| 240546                        | SANDHILL TEL COOP     | AS   | 42,848,124            | 46,632,743            | 48,433,677            | 49,318,764            | 56,833,883            |
| 240550                        | WEST CAROLINA RURAL   | 2    | 30,314,301            | 33,419,906            | 33,584,506            | 32,857,410            | 34,781,824            |
| 240551                        | WILLISTON TEL CO      | 2    | 12,435,034            | 12,914,454            | 13,105,405            | 12,568,708            | 13,535,298            |
| 245194                        | SOUTHERN BELL - SC    | 1    | 5,144,732,088         | 5,177,504,915         | 4,741,409,116         | 4,367,843,782         | 4,139,100,034         |
| <b>SOUTH DAKOTA Total</b>     |                       |      | <b>1,591,113,939</b>  | <b>1,564,541,605</b>  | <b>1,364,201,156</b>  | <b>1,285,709,131</b>  | <b>1,173,187,558</b>  |
| 391640                        | ARMOUR INDEPENDENT    | AS   | 4,806,965             | 3,858,502             | 4,204,363             | 4,362,008             | 4,099,034             |
| 391642                        | ALLIANCE-BALTIC       | AS   | 9,572,485             | 9,948,225             | 9,859,078             | 9,972,851             | 10,202,084            |
| 391647                        | CHEYENNE RIVER SIOUX  | 2    | 10,105,597            | 11,533,611            | 11,777,788            | 11,808,588            | 10,506,773            |
| 391649                        | BERESFORD MUNICIPAL   | AS   | 4,255,470             | 3,874,061             | 4,131,461             | 4,258,178             | 3,866,038             |
| 391650                        | CITY OF BROOKINGS     | AS   | 50,070,996            | 44,779,025            | 38,913,737            | 38,223,368            | 45,354,684            |
| 391652                        | PIRAIEWAVE COMM TEL   | 2    | 17,085,639            | 17,194,464            | 19,226,278            | 20,846,462            | 21,172,695            |
| 391653                        | CITY OF FAITH MUNIC   | AS   | 1,318,813             | 1,233,575             | 1,037,608             | 982,728               | 956,035               |
| 391654                        | INTERSTATE TELECOMM   | AS   | 39,987,305            | 40,123,525            | 39,358,933            | 38,467,387            | 43,062,216            |
| 391657                        | ALLIANCE SPLIT ROCK   | AS   | 20,121,642            | 19,988,324            | 21,107,902            | 21,509,747            | 21,441,684            |
| 391659                        | GOLDEN WEST TELECOMM  | 2    | 46,889,900            | 48,650,170            | 51,268,302            | 54,618,169            | 54,713,217            |
| 391660                        | MT RUSHMORE TEL       | AS   | 22,045,966            | 21,188,161            | 21,362,348            | 21,845,533            | 21,750,988            |
| 391664                        | JAMES VALLEY COOP     | AS   | 10,118,517            | 11,118,174            | 10,766,958            | 11,378,183            | 11,049,780            |
| 391686                        | JEFFERSON TEL CO - SD | 2    | 3,201,399             | 2,888,142             | 2,559,676             | 2,566,557             | 2,549,469             |
| 391667                        | KADOKA TELEPHONE CO   | 2    | 1,608,977             | 1,460,317             | 1,528,071             | 1,503,760             | 1,551,824             |
| 391668                        | KENNEBEC TEL CO       | 2    | 2,599,262             | 1,837,713             | 2,013,676             | 1,953,485             | 1,692,148             |
| 391669                        | MCCOOK COOP TEL CO    | AS   | 6,171,325             | 6,133,406             | 6,280,315             | 5,792,734             | 6,334,287             |
| 391670                        | MIDSTATE COMM, INC    | 2    | 12,676,476            | 12,613,724            | 12,102,418            | 12,512,821            | 12,338,874            |
| 391671                        | WEST RIVER(MOBRIDGE)  | AS   | 11,229,343            | 10,599,183            | 9,435,078             | 9,162,549             | 9,118,290             |
| 391674                        | ROBERTS COUNTY COOP   | AS   | 6,238,359             | 5,622,570             | 5,599,939             | 6,624,677             | 6,350,776             |
| 391676                        | SANTEL COMM COOP      | 2    | 15,974,222            | 16,103,113            | 15,581,272            | 16,157,807            | 14,034,985            |
| 391677                        | SIOUX VALLEY TEL CO   | AS   | 17,028,423            | 16,808,303            | 16,764,666            | 17,396,850            | 16,101,984            |
| 391679                        | STOCKHOLM-STRANDBURG  | 2    | 2,173,768             | 2,226,224             | 2,124,321             | 2,152,075             | 2,042,557             |
| 391680                        | VENTURE COMM COOP     | 2    | 30,689,272            | 33,002,613            | 34,746,386            | 36,989,788            | 38,928,890            |
| 391682                        | TRI-COUNTY TELCOM     | AS   | 1,519,164             | 1,592,957             | 1,718,185             | 1,687,001             | 1,172,297             |
| 391684                        | UNION TEL CO          | AS   | 4,451,384             | 4,220,570             | 4,702,938             | 4,481,836             | 3,931,273             |
| 391685                        | VALLEY TELECOMM       | 2    | 10,446,094            | 10,856,426            | 10,283,182            | 10,241,013            | 11,082,127            |
| 391686                        | VIVIAN TELEPHONE CO   | 2    | 57,024,134            | 59,076,454            | 58,530,631            | 60,864,875            | 64,190,307            |
| 391688                        | WESTERN TEL CO        | AS   | 3,115,834             | 2,402,790             | 2,807,075             | 3,055,965             | 2,492,807             |
| 391689                        | WEST RIVER COOP       | 2    | 15,929,255            | 16,727,806            | 16,995,707            | 17,440,766            | 15,628,659            |
| 395145                        | QWEST CORP - SD       | 1    | 1,151,958,031         | 1,126,781,477         | 946,412,664           | 836,835,372           | 715,488,174           |
| <b>TENNESSEE Total</b>        |                       |      | <b>10,532,366,697</b> | <b>10,527,429,505</b> | <b>9,848,691,759</b>  | <b>8,985,578,473</b>  | <b>8,489,977,482</b>  |
| 290280                        | ARDMORE TEL CO        | 2    | 26,423,201            | 29,034,531            | 30,043,943            | 31,038,516            | 29,850,988            |
| 290552                        | CENTURYTEL-ADAMSVILL  | 2    | 22,558,685            | 23,732,755            | 23,540,813            | 23,873,313            | 23,471,515            |
| 290553                        | BEN LOMAND RURAL      | AS   | 72,265,534            | 77,688,755            | 76,075,345            | 78,941,160            | 79,615,009            |
| 290554                        | BLED SOE TEL COOP     | AS   | 25,334,721            | 27,981,843            | 27,296,437            | 28,041,699            | 28,289,716            |
| 290557                        | CENTURY-CLAIRBORNE    | 2    | 23,619,575            | 26,590,003            | 27,815,919            | 30,422,667            | 31,636,270            |
| 290559                        | CONCORD TEL EXCHANGE  | AS   | 106,903,164           | 110,471,439           | 111,430,516           | 104,863,054           | 99,025,979            |
| 290561                        | CROCKETT TEL CO       | 2    | 10,419,693            | 11,920,411            | 9,896,580             | 8,516,837             | 8,775,514             |
| 290562                        | DEKALB TEL COOP       | 2    | 47,326,914            | 50,142,702            | 56,022,280            | 57,914,686            | 55,138,830            |
| 290565                        | HIGHLAND TEL COOP-TN  | AS   | 46,715,967            | 46,622,695            | 50,167,336            | 51,237,770            | 56,098,402            |
| 290566                        | HUMPHREY'S COUNTY     | 2    | 4,726,139             | 5,195,113             | 4,869,005             | 4,267,714             | 4,141,152             |
| 290567                        | UNITED INTER-MT-TN    | 1    | 702,166,301           | 727,687,576           | 739,217,952           | 682,124,363           | 647,873,672           |
| 290570                        | LORETTA TEL CO        | AS   | 13,191,327            | 13,510,496            | 13,907,803            | 14,372,786            | 17,388,672            |
| 290571                        | MILLINGTON TEL CO     | 2    | 72,821,582            | 77,055,475            | 79,954,474            | 72,845,078            | 73,221,118            |
| 290573                        | NORTH CENTRAL COOP    | 2    | 40,756,357            | 45,427,471            | 50,545,631            | 53,287,777            | 59,567,550            |
| 290574                        | CENTURYTEL-DOLEWASH   | 2    | 37,520,133            | 39,138,994            | 37,631,960            | 35,779,504            | 34,367,655            |
| 290575                        | TENNESSEE TEL CO      | 2    | 189,499,349           | 193,053,881           | 180,506,246           | 174,549,592           | 165,211,079           |
| 290576                        | PEOPLES TEL CO        | 2    | 12,499,426            | 13,218,664            | 12,228,786            | 12,002,180            | 12,452,086            |
| 290578                        | TELLICO TEL CO        | 2    | 19,681,408            | 19,638,014            | 20,288,846            | 19,818,041            | 21,741,369            |
| 290579                        | TWIN LAKES TEL COOP   | 2    | 84,372,443            | 86,657,990            | 91,221,125            | 96,038,106            | 98,912,967            |
| 290580                        | CITIZENS-VOLUNTEER    | 2    | 82,448,360            | 83,827,122            | 80,459,680            | 80,305,992            | 78,073,596            |
| 290581                        | UTC OF TN             | 2    | 33,131,027            | 41,686,725            | 42,008,428            | 44,797,045            | 45,432,573            |
| 290583                        | WEST TENNESSEE TEL    | AS   | 10,679,007            | 10,937,901            | 9,735,798             | 9,377,370             | 9,380,084             |
| 290584                        | YORKVILLE TEL COOP    | AS   | 5,645,951             | 7,157,065             | 6,637,668             | 7,661,825             | 7,236,342             |
| 294336                        | CUC DBA CITIZENS-TN   | 2    | 238,172,788           | 229,210,660           | 221,556,906           | 216,339,183           | 214,968,743           |
| 295185                        | SO CENTRAL BELL - TN  | 1    | 8,605,487,643         | 8,529,841,225         | 7,843,530,282         | 7,047,361,215         | 6,588,106,569         |
| <b>TEXAS Total</b>            |                       |      | <b>33,147,308,404</b> | <b>34,248,137,383</b> | <b>31,125,641,318</b> | <b>27,995,210,472</b> | <b>26,176,792,188</b> |
| 440425                        | CAMERON TEL CO TEXAS  | 2    | 2,631,061             | 2,523,531             | 2,289,553             | 2,086,423             | 1,855,675             |
| 441163                        | VALOR-TX              | 2    | N/A                   | 184,267,715           | 726,966,992           | 694,739,763           | 670,674,945           |
| 442038                        | BLOSSOM TEL CO        | AS   | 2,471,319             | 2,377,557             | 2,645,910             | 2,932,629             | 7,057,450             |
| 442039                        | BIG BEND TEL CO INC   | 2    | 13,140,336            | 15,380,555            | 16,325,679            | 15,754,868            | 14,304,639            |
| 442040                        | BRAZORIA TEL CO       | 2    | 11,212,456            | 11,031,800            | 14,258,829            | 13,660,075            | 11,418,003            |
| 442041                        | BRAZOS TEL COOP INC   | 2    | 12,693,795            | 10,858,353            | 10,847,087            | 9,451,648             | 8,756,161             |
| 442043                        | NORTH TEXAS TEL CO    | AS   | 1,721,681             | 1,858,585             | 1,613,100             | 1,681,679             | 1,588,156             |
| 442046                        | CAP ROCK TEL COOP     | 2    | 8,385,669             | 10,800,294            | 10,215,297            | 8,522,397             | 8,781,379             |
| 442052                        | CENTRAL TEXAS CO-OP   | 2    | 9,972,289             | 13,199,062            | 12,923,211            | 12,123,177            | 11,446,265            |
| 442057                        | COLEMAN COUNTY CO-OP  | 2    | 3,242,450             | 3,742,562             | 3,907,951             | 4,036,807             | 4,112,152             |
| 442059                        | COLORADO VALLEY TEL   | 2    | 9,993,796             | 11,293,675            | 11,551,218            | 10,619,763            | 10,522,583            |
| 442060                        | COMANCHE COUNTY TEL   | 2    | 13,140,804            | 14,783,106            | 14,164,915            | 14,538,910            | 12,002,674            |
| 442061                        | COMMUNITY TEL CO      | 2    | 2,835,685             | 2,911,085             | 3,055,408             | 2,754,901             | 2,147,484             |
| 442065                        | CUMBY TEL COOP INC    | 2    | 1,775,421             | 1,906,003             | 2,220,045             | 2,397,934             | 2,287,352             |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(in Thousands)**

| Study Area ID Code          | Study Area Name      | Type | 1999                  | 2000                  | 2001                  | 2002                  | 2003                  |
|-----------------------------|----------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| <b>TEXAS (CONT.)</b>        |                      |      |                       |                       |                       |                       |                       |
| 442066                      | DELL TEL CO-OP - TX  | 2    | 2,093,823             | 2,227,841             | 1,911,499             | 2,007,658             | 2,176,710             |
| 442068                      | EASTEX TEL COOP INC  | 2    | 60,633,959            | 65,789,192            | 65,593,039            | 64,086,209            | 64,995,618            |
| 442069                      | ELECTRA TELEPHONE CO | 2    | 5,630,425             | 4,163,828             | 3,731,866             | 3,021,800             | 3,033,503             |
| 442070                      | ETEX TEL COOP INC    | 2    | 26,384,815            | 31,024,756            | 24,000,792            | 17,455,205            | 15,176,336            |
| 442071                      | FIVE AREA TEL CO-OP  | 2    | 17,170,593            | 18,559,043            | 18,424,662            | 17,948,540            | 16,875,666            |
| 442072                      | FORT BEND TEL CO     | 2    | 86,502,996            | 95,389,657            | 99,119,329            | 98,030,327            | 92,036,656            |
| 442073                      | BORDER TO BORDER     | 2    | 143,749               | 152,016               | 136,265               | 156,738               | 128,448               |
| 442076                      | GANADO TELEPHONE CO  | 2    | 5,156,890             | 6,079,202             | 6,346,653             | 6,142,751             | 4,923,424             |
| 442080                      | GTE SW VERIZON - TX  | 1    | 4,950,101,555         | 5,160,544,768         | 4,535,931,697         | 4,086,780,259         | 3,696,775,878         |
| 442083                      | GUADALUPE VALLEY TEL | 2    | 93,677,185            | 99,590,829            | 101,554,890           | 96,577,910            | 90,469,941            |
| 442084                      | UTC OF TEXAS INC     | 2    | 304,419,316           | 359,417,862           | 344,229,634           | 333,759,819           | 349,329,285           |
| 442086                      | HILL COUNTRY CO-OP   | 2    | 31,447,373            | 32,894,646            | 33,655,724            | 33,622,109            | 34,749,167            |
| 442090                      | ALENCO COMMUNICATION | 2    | 3,990,971             | 4,719,737             | 5,335,836             | 5,390,962             | 4,533,575             |
| 442091                      | ETS TEL CO, INC      | 2    | 4,358,436             | 8,623,229             | 12,989,902            | 16,024,093            | 17,705,088            |
| 442093                      | INDUSTRY TEL CO      | 2    | 4,085,728             | 3,544,654             | 3,248,540             | 4,210,616             | 3,159,079             |
| 442097                      | KERRVILLE TEL CO     | 2    | 52,336,775            | 56,901,581            | 56,022,976            | 66,129,464            | 85,758,685            |
| 442101                      | CENTURYTEL-LK DALLAS | 2    | 34,667,329            | 40,527,661            | 40,341,066            | 36,340,091            | 35,640,324            |
| 442103                      | LA WARD TEL EXCHANGE | 2    | 2,738,056             | 2,648,601             | 2,716,154             | 2,456,527             | 2,158,303             |
| 442104                      | LAKE LIVINGSTON TEL  | 2    | 2,219,589             | 2,417,239             | 2,381,420             | 2,381,756             | 2,069,452             |
| 442105                      | LIPAN TEL CO         | 2    | 2,450,535             | 2,580,408             | 2,739,725             | 2,519,424             | 2,443,837             |
| 442107                      | LIVINGSTON TEL CO    | AS   | 17,625,836            | 18,773,653            | 19,547,017            | 17,521,432            | 16,253,942            |
| 442109                      | TXU COMMUNICATIONS   | 2    | 289,105,661           | 326,777,992           | 319,639,603           | 292,843,284           | 283,286,926           |
| 442112                      | MID-PLAINS RURAL TEL | 2    | 7,440,145             | 7,823,269             | 7,229,937             | 7,087,045             | 6,198,553             |
| 442114                      | CENTEL OF TEXAS      | 2    | 755,329,371           | 841,058,606           | 780,922,694           | 720,332,988           | 665,944,680           |
| 442116                      | MUENSTER DBA NORTEX  | 2    | 8,145,466             | 9,406,570             | 10,278,061            | 11,033,959            | 10,747,599            |
| 442117                      | CENTURYTEL-PORT ARAN | 2    | 11,643,061            | 11,902,537            | 9,693,358             | 9,368,504             | 9,092,936             |
| 442130                      | PEOPLES TEL COOP, TX | 2    | 30,580,131            | 31,043,739            | 37,533,910            | 36,375,236            | 33,273,617            |
| 442131                      | POKA-LAMERO TEL COOP | 2    | 6,902,257             | 6,886,911             | 6,632,824             | 6,491,505             | 7,583,800             |
| 442134                      | RIVIERA TEL CO INC   | 2    | 3,616,634             | 2,830,462             | 2,274,897             | 2,204,297             | 1,961,584             |
| 442135                      | SOUTHWEST TEXAS TEL  | 2    | 7,113,603             | 7,663,186             | 7,768,481             | 7,674,505             | 7,667,942             |
| 442140                      | CENTURYTEL SAN MARCO | 2    | 93,323,799            | 87,078,897            | 83,279,026            | 81,545,537            | 83,340,159            |
| 442141                      | SANTA ROSA TEL COOP  | 2    | 4,339,670             | 4,632,343             | 4,681,336             | 4,196,701             | 7,436,530             |
| 442143                      | SOUTH PLAINS TEL     | 2    | 10,641,500            | 9,872,521             | 6,991,235             | 7,980,985             | 9,102,145             |
| 442147                      | SUGAR LAND TEL CO    | 2    | 175,367,596           | 215,765,100           | 252,492,749           | 239,084,379           | 212,813,053           |
| 442150                      | TATUM TEL CO         | 2    | 3,745,416             | 2,790,944             | 2,668,814             | 2,350,240             | 2,166,399             |
| 442151                      | TAYLOR TEL CO-OP INC | 2    | 12,461,536            | 15,726,209            | 15,116,572            | 14,209,377            | 12,578,419            |
| 442152                      | TEXAS-ALLTEL INC     | 2    | 60,986,642            | 63,815,947            | 64,170,997            | 61,661,442            | 61,460,150            |
| 442154                      | GTE-SW VERIZON - TX  | 1    | 488,604,872           | 474,908,197           | 237,145,445           | 228,420,222           | 216,281,032           |
| 442159                      | VALLEY TEL CO-OP-TX  | 2    | 11,123,445            | 13,392,421            | 13,368,457            | 13,123,294            | 10,708,817            |
| 442166                      | WEST TEXAS RURAL TEL | 2    | 6,029,193             | 6,658,165             | 6,570,965             | 6,465,251             | 7,129,467             |
| 442168                      | WES-TEX TEL CO-OP    | 2    | 5,336,462             | 4,859,274             | 5,243,413             | 5,216,395             | 5,453,649             |
| 442170                      | XIT RURAL TEL CO-OP  | 2    | 6,709,446             | 7,057,807             | 4,339,345             | 3,538,764             | 3,476,233             |
| 442262                      | ENMR TEL COOP-TX     | 2    | 2,868,880             | 3,040,317             | 3,107,660             | 2,817,833             | 2,360,160             |
| 445216                      | SOUTHWESTERN BELL-TX | 1    | 25,336,658,226        | 25,789,221,203        | 23,027,667,356        | 20,513,312,065        | 19,227,260,579        |
| <b>UTAH Total</b>           |                      |      | <b>4,230,637,086</b>  | <b>4,302,614,598</b>  | <b>3,990,442,103</b>  | <b>3,516,409,918</b>  | <b>3,193,349,746</b>  |
| 502277                      | CENTRAL UTAH TEL INC | 2    | 3,567,697             | 7,514,474             | 11,192,829            | 9,561,206             | 11,061,900            |
| 502278                      | EMRY dba EMRY TELCOM | 2    | 14,436,668            | 14,105,076            | 37,016,516            | 47,481,133            | 47,127,414            |
| 502279                      | GUNNISON TEL CO      | AS   | 3,982,539             | 5,388,487             | 5,811,998             | 5,583,244             | 5,175,051             |
| 502282                      | MANTI TEL CO         | AS   | 5,801,293             | 4,155,353             | 10,281,259            | 13,028,648            | 10,987,674            |
| 502283                      | SKYLINE TELECOM      | AS   | 3,322,663             | 6,674,387             | 10,692,008            | 10,061,638            | 10,130,653            |
| 502284                      | BEEHIVE TEL CO - UT  | 2    | 21,408,638            | 21,511,246            | 23,616,175            | 18,588,887            | 16,859,030            |
| 502286                      | SOUTH CENTRAL UTAH   | 2    | 39,645,019            | 46,987,914            | 47,926,730            | 51,545,882            | 49,703,038            |
| 502287                      | UNTAHBASIN DBA UBT   | 2    | 10,244,446            | 12,382,549            | 39,667,688            | 50,156,212            | 59,686,919            |
| 502288                      | ALL WEST COMM-UT     | 2    | 10,351,719            | 11,132,151            | 13,870,124            | 16,616,053            | 16,186,982            |
| 503032                      | BEAR LAKE COMM       | 2    | 1,671,645             | 3,543,417             | 2,796,644             | 2,370,953             | 2,119,398             |
| 504429                      | CITIZENS TELECOM-UT  | 2    | 80,580,720            | 81,685,365            | 82,402,356            | 82,157,691            | 79,691,039            |
| 504449                      | NAVAJO COMMUN-UT     | 2    | 2,630,380             | 2,639,431             | 3,183,568             | 3,574,982             | 3,991,715             |
| 505107                      | QWEST CORP - UT      | 1    | 4,032,693,361         | 4,084,894,746         | 3,701,984,206         | 3,207,663,389         | 2,860,626,933         |
| <b>VERMONT Total</b>        |                      |      | <b>1,629,889,945</b>  | <b>1,703,513,571</b>  | <b>1,694,384,238</b>  | <b>1,604,973,735</b>  | <b>1,516,963,325</b>  |
| 140053                      | FRANKLIN TEL CO - VT | AS   | 1,596,941             | 1,662,565             | 1,781,831             | 2,269,398             | 2,429,301             |
| 140056                      | LUDLOW TEL CO        | 2    | 15,656,693            | 14,500,751            | 14,579,020            | 14,376,567            | 14,653,402            |
| 140061                      | NORTHFIELD TEL CO    | 2    | 14,858,154            | 13,227,511            | 13,631,454            | 14,588,316            | 13,158,505            |
| 140062                      | PERKINSVILLE TEL CO  | 2    | 3,943,666             | 3,789,833             | 3,845,882             | 4,076,135             | 3,989,546             |
| 140064                      | SHOREHAM TEL CO INC  | AS   | 13,083,155            | 13,903,466            | 14,061,061            | 13,994,611            | 14,069,987            |
| 140068                      | TOPSHAM TEL CO       | 2    | 5,840,136             | 6,895,303             | 7,013,472             | 7,440,116             | 7,754,480             |
| 140069                      | WAITSFIELD/FAYSTON   | 2    | 82,563,180            | 87,129,709            | 87,926,232            | 84,455,402            | 83,312,923            |
| 143331                      | Northland Tel Co-VT  | 2    | 16,205,132            | 18,340,098            | 19,286,802            | 22,560,109            | 24,111,572            |
| 145115                      | VERIZON VERMONT      | 1    | 1,388,055,360         | 1,460,882,831         | 1,451,765,494         | 1,360,829,901         | 1,272,406,803         |
| 147332                      | VERMONT TEL CO-VT    | 2    | 86,687,327            | 83,181,504            | 80,492,990            | 80,383,180            | 81,076,804            |
| <b>VIRGIN ISLANDS Total</b> |                      |      | <b>306,286,048</b>    | <b>342,101,302</b>    | <b>358,628,710</b>    | <b>380,176,297</b>    | <b>390,682,451</b>    |
| 643390                      | VITELCO-INNOVATIVE   | 2    | 306,286,048           | 342,101,302           | 358,628,710           | 380,176,297           | 390,682,451           |
| <b>VIRGINIA Total</b>       |                      |      | <b>17,536,782,781</b> | <b>18,014,251,488</b> | <b>17,316,236,050</b> | <b>15,786,557,862</b> | <b>14,422,202,771</b> |
| 190217                      | AMELIA TEL CORP      | 2    | 12,283,123            | 11,725,183            | 11,184,310            | 10,398,530            | 10,358,579            |
| 190219                      | BUGGS ISLAND COOP    | AS   | 11,241,824            | 12,621,730            | 13,995,411            | 12,987,424            | 13,906,616            |
| 190220                      | BURKE'S GARDEN TEL   | AS   | 277,984               | 280,295               | 317,108               | 356,657               | 414,650               |
| 190225                      | CITIZENS TEL COOP    | AS   | 16,440,227            | 18,045,545            | 18,635,438            | 18,693,391            | 25,521,183            |
| 190226                      | NTELOS INC           | AS   | 97,641,192            | 117,750,533           | 144,539,463           | 155,983,104           | 139,083,242           |
| 190233                      | VERIZON S-VA(CONTEL) | 1    | 2,138,973,567         | 2,271,671,654         | 2,346,185,473         | 2,241,645,073         | 2,226,901,730         |
| 190236                      | NORTH RIVER TEL COOP | AS   | 2,161,247             | 2,612,015             | 2,777,754             | 2,913,804             | 3,001,720             |
| 190237                      | HIGHLAND TEL COOP    | AS   | 2,725,888             | 3,080,984             | 3,289,380             | 3,268,873             | 4,200,544             |
| 190238                      | MT GROVE-WILLIAMSVIL | AS   | 2,706,659             | 3,426,970             | 3,569,932             | 4,147,214             | 4,680,597             |
| 190239                      | NEW HOPE TEL CO - VA | AS   | 1,922,703             | 2,474,499             | 2,405,116             | 2,485,410             | 2,495,237             |
| 190243                      | PEMBROKE TEL COOP    | AS   | 6,251,188             | 7,111,168             | 7,268,349             | 6,967,980             | 7,963,067             |
| 190244                      | PEOPLES MUTUAL TEL   | 2    | 13,957,839            | 15,467,843            | 14,949,164            | 15,537,465            | 14,673,143            |
| 190248                      | SCOTT COUNTY COOP    | AS   | 18,561,058            | 21,252,660            | 23,663,417            | 24,568,762            | 26,590,616            |
| 190249                      | ROANOKE & BOTETOURT  | 2    | 25,462,172            | 40,701,333            | 28,539,800            | 32,525,607            | 31,624,697            |
| 190250                      | SHENANDOAH TEL CO    | AS   | 69,769,225            | 69,717,614            | 67,984,102            | 71,588,752            | 57,695,133            |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(in Thousands)**

| Study Area ID Code         | Study Area Name          | Type | 1999                  | 2000                  | 2001                  | 2002                  | 2003                 |
|----------------------------|--------------------------|------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| <b>VIRGINIA (CONT.)</b>    |                          |      |                       |                       |                       |                       |                      |
| 190253                     | VIRGINIA TEL CO          | AS   | 13,322,349            | 12,610,010            | 11,698,784            | 12,050,820            | 14,483,515           |
| 190254                     | CENTEL OF VIRGINIA       | 2    | 919,467,440           | 986,112,815           | 983,537,374           | 952,860,033           | 957,563,610          |
| 190479                     | VERIZON SOUTH - VA       | 1    | 120,237,092           | 127,278,558           | 134,990,663           | 106,131,971           | 115,928,203          |
| 190567                     | UNITED INTER-MT-VA       | 1    | 306,624,143           | 341,626,373           | 342,036,530           | 350,144,944           | 365,687,277          |
| 193029                     | NEW CASTLE TEL CO        | 2    | 4,457,506             | 4,795,237             | 4,704,151             | 4,301,464             | 4,445,748            |
| 195340                     | VERIZON VIRGINIA INC     | 1    | 13,752,300,145        | 13,943,888,068        | 13,151,964,330        | 11,756,990,584        | 10,394,153,260       |
| <b>WASHINGTON Total</b>    |                          |      | <b>12,394,254,846</b> | <b>12,515,373,126</b> | <b>11,962,691,186</b> | <b>10,640,779,038</b> | <b>9,783,680,192</b> |
| 522400                     | UTC OF THE NW-WA         | 2    | 231,434,021           | 276,981,170           | 254,960,726           | 245,844,051           | 252,062,397          |
| 522404                     | ASOTIN TEL - WA          | 2    | 3,434,361             | 3,712,946             | 3,638,184             | 3,569,175             | 3,519,908            |
| 522408                     | CENTURYTEL-WASHINGTON    | 2    | 469,383,133           | 507,767,162           | 521,701,917           | 510,912,865           | 498,638,285          |
| 522410                     | CENTURYTEL-COWICHE       | 2    | 5,609,251             | 6,423,344             | 6,239,436             | 5,728,466             | 5,696,252            |
| 522412                     | ELLENSBURG TEL CO        | 2    | 69,822,414            | 72,103,458            | 73,553,134            | 67,670,113            | 53,972,321           |
| 522416                     | VERIZON N WEST - WA      | 1    | 2,598,805,033         | 2,635,375,973         | 2,645,836,471         | 2,395,662,245         | 2,198,675,396        |
| 522417                     | HAT ISLAND TEL CO        | 2    | 109,610               | 115,540               | 113,543               | 113,330               | 106,427              |
| 522418                     | PEND OREILLE TEL         | 2    | 7,379,593             | 6,450,680             | 7,026,534             | 7,226,078             | 7,233,705            |
| 522419                     | HOOD CANAL TEL CO        | 2    | 2,501,432             | 2,524,096             | 2,765,684             | 2,545,109             | 2,830,419            |
| 522423                     | INLAND TEL CO - WA       | 2    | 8,191,252             | 10,026,623            | 12,405,415            | 12,916,009            | 11,605,940           |
| 522426                     | KALAMA TEL CO            | 2    | 8,349,166             | 9,261,440             | 9,748,918             | 8,989,702             | 9,211,238            |
| 522427                     | LEWIS RIVER TEL CO       | 2    | 20,051,632            | 22,315,784            | 22,973,000            | 21,030,278            | 25,255,063           |
| 522430                     | MCDANIEL TEL CO          | AS   | 9,666,738             | 9,038,735             | 9,086,057             | 9,335,989             | 9,057,716            |
| 522431                     | MASHELL TELECOM INC      | 2    | 8,373,999             | 7,534,612             | 7,503,888             | 7,506,327             | 6,353,126            |
| 522437                     | PIONEER TEL CO           | 2    | 2,788,697             | 2,752,411             | 3,322,623             | 3,412,863             | 3,100,675            |
| 522442                     | ST JOHN TEL CO           | 2    | 1,627,406             | 1,785,218             | 1,809,890             | 1,773,475             | 1,647,952            |
| 522446                     | TENINO TELEPHONE CO      | 2    | 6,845,339             | 8,080,739             | 9,280,859             | 8,635,912             | 8,756,281            |
| 522447                     | TOLEDO TELEPHONE CO      | 2    | 5,722,517             | 5,184,213             | 5,537,191             | 5,373,776             | 5,147,525            |
| 522449                     | VERIZON N WEST - WA      | 1    | 244,016,775           | 256,387,889           | 241,865,234           | 224,181,005           | 223,712,883          |
| 522451                     | WESTERN WAHIAKUM         | 2    | 3,739,121             | 3,427,546             | 3,689,040             | 3,731,501             | 3,888,664            |
| 522452                     | WHIDBEY TEL CO           | 2    | 41,446,304            | 40,651,394            | 41,750,288            | 42,737,056            | 43,958,632           |
| 522453                     | YCOM NETWORKS INC        | 2    | 32,189,221            | 34,753,686            | 35,126,220            | 30,023,804            | 31,649,982           |
| 525161                     | QWEST CORP - WA          | 1    | 8,612,569,631         | 8,592,718,365         | 8,042,754,916         | 7,021,859,911         | 6,377,398,205        |
| <b>WEST VIRGINIA Total</b> |                          |      | <b>3,271,760,057</b>  | <b>3,484,666,266</b>  | <b>3,483,263,268</b>  | <b>3,427,133,899</b>  | <b>3,424,049,179</b> |
| 200256                     | ARMSTRONG OF WV          | 2    | 6,343,076             | 6,828,446             | 7,041,230             | 6,722,415             | 6,903,760            |
| 200257                     | SPRUCE KNOB SENECA       | 2    | 2,825,414             | 2,847,577             | 2,895,207             | 2,980,573             | 3,213,442            |
| 200258                     | WAR ACQ DBA WAR TEL      | AS   | 7,047,289             | 6,772,109             | 7,396,421             | 7,657,214             | 7,610,079            |
| 200259                     | HARDY TELECOM            | 2    | 8,402,935             | 9,258,750             | 10,675,236            | 11,024,115            | 12,518,938           |
| 200267                     | ARMSTRONG TEL CO         | 2    | 6,980,674             | 9,797,430             | 10,383,601            | 11,264,410            | 11,413,371           |
| 200271                     | CTC WVA MTN STATE        | 2    | 69,192,474            | 73,086,376            | 92,889,565            | 81,226,083            | 85,353,001           |
| 200277                     | WEST SIDE TEL-WV         | 2    | 7,349,969             | 8,250,890             | 8,984,722             | 7,970,279             | 8,699,701            |
| 204238                     | CTC WVA ST MARYS         | 2    | 111,986,527           | 124,197,818           | 125,674,116           | 119,652,484           | 122,327,941          |
| 204339                     | CTC WVA BLUEFIELD        | 2    | 308,162,515           | 319,365,814           | 327,845,521           | 358,183,661           | 378,964,049          |
| 205050                     | VERIZON W VA INC         | 1    | 2,741,469,380         | 2,924,261,056         | 2,889,497,649         | 2,620,452,665         | 2,786,844,897        |
| <b>WISCONSIN Total</b>     |                          |      | <b>8,557,774,655</b>  | <b>8,641,067,198</b>  | <b>8,746,376,867</b>  | <b>8,316,729,768</b>  | <b>7,431,941,784</b> |
| 330841                     | CENTURYTEL-MW-WI(CENCOM) | 2    | 58,757,235            | 63,136,417            | 62,245,859            | 72,957,834            | 76,367,128           |
| 330842                     | AMERY TELCOM INC         | AS   | 18,950,835            | 21,207,425            | 22,805,106            | 22,582,402            | 23,181,686           |
| 330843                     | AMHERST TEL CO           | AS   | 9,321,022             | 8,718,122             | 9,205,285             | 11,183,142            | 11,202,973           |
| 330844                     | BADGER TELECOM INC       | 2    | 10,729,497            | 10,764,085            | 11,387,238            | 11,393,530            | 10,995,540           |
| 330846                     | BALDWIN TELECOM          | AS   | 14,562,569            | 16,202,684            | 17,470,412            | 17,636,929            | 17,981,733           |
| 330847                     | BELMONT TEL CO           | AS   | 1,900,294             | 2,074,442             | 2,048,496             | 1,945,382             | 1,849,312            |
| 330848                     | BERGEN TEL CO            | AS   | 659,030               | 718,328               | 684,393               | 883,298               | 835,177              |
| 330849                     | BLACK EARTH TEL CO       | AS   | 2,583,193             | 2,659,122             | 2,562,507             | 2,601,347             | 2,599,194            |
| 330850                     | BLOOMER TEL CO           | AS   | 7,462,846             | 7,726,223             | 7,998,365             | 8,745,395             | 7,726,805            |
| 330851                     | BONDUEL TEL CO           | AS   | 2,622,576             | 2,313,675             | 2,164,706             | 2,274,231             | 2,415,254            |
| 330855                     | BRUCE TEL CO INC         | 2    | 5,075,732             | 4,508,046             | 4,673,086             | 5,121,237             | 5,073,880            |
| 330856                     | BURLINGTON B&W           | AS   | 16,665,176            | 13,184,900            | 13,035,310            | 12,578,868            | 12,052,018           |
| 330857                     | CENTURYTEL-MW-WI(CASCO)  | 2    | 1,850,085             | 1,701,967             | 1,998,937             | 2,613,955             | 2,915,374            |
| 330859                     | CENTRAL STATE TEL CO     | 2    | 16,451,931            | 16,624,633            | 16,415,219            | 16,216,458            | 16,587,980           |
| 330860                     | CHEQUAMEGON COOP COOP    | 2    | 22,128,860            | 22,725,301            | 26,146,180            | 26,057,573            | 27,817,757           |
| 330861                     | CHIBARDUN TEL COOP       | AS   | 15,966,201            | 16,717,467            | 17,973,267            | 19,280,743            | 18,232,693           |
| 330863                     | CITIZENS TEL COOP-WI     | AS   | 4,807,519             | 5,365,084             | 5,766,823             | 5,960,113             | 6,060,053            |
| 330865                     | CLEAR LAKE TEL CO-WI     | AS   | 4,469,093             | 4,788,139             | 5,225,846             | 5,201,497             | 4,990,202            |
| 330866                     | COCHRANE COOP TEL CO     | AS   | 3,606,266             | 3,891,437             | 4,114,116             | 4,284,352             | 4,042,479            |
| 330868                     | COON VALLEY FARMERS      | AS   | 4,222,294             | 4,348,043             | 4,639,190             | 5,095,976             | 5,232,901            |
| 330870                     | RHINELANDER(CRANDON)     | 2    | 1,599,802             | 5,977,557             | 5,036,773             | 6,706,953             | 7,389,636            |
| 330870                     | RHINELANDER-FRONTIER     | 2    | 5,609,207             | N/A                   | N/A                   | N/A                   | N/A                  |
| 330872                     | CUBA CITY EXCHANGE       | AS   | 5,049,851             | 5,308,763             | 5,379,307             | 5,128,832             | 4,966,492            |
| 330875                     | DICKEYVILLE TEL CORP     | AS   | 2,916,639             | 3,173,481             | 3,316,199             | 3,321,641             | 2,794,724            |
| 330877                     | CENTURYTEL-FAIRWATER     | 2    | 2,544,117             | 2,897,626             | 2,737,859             | 3,091,642             | 2,636,605            |
| 330879                     | FARMERS INDEPENDENT      | AS   | 9,587,335             | 10,671,483            | 11,043,233            | 11,358,700            | 11,774,588           |
| 330880                     | FARMERS TEL CO - WI      | AS   | 15,775,177            | 17,292,973            | 18,073,657            | 16,101,212            | 13,684,984           |
| 330881                     | MID-PLAINS TEL CO        | AS   | 109,730,016           | 111,237,814           | 112,364,229           | 104,518,803           | 94,694,089           |
| 330884                     | CENTURYTEL-FORESTVIL     | 2    | 3,647,357             | 3,706,268             | 3,676,774             | 4,139,103             | 4,206,575            |
| 330886                     | VERIZON NORTH-WI         | 1    | 1,189,170,319         | 1,197,579,891         | 977,632,124           | 993,454,898           | 947,874,928          |
| 330889                     | HAGER TELECOM INC        | AS   | 6,187,584             | 6,963,632             | 7,310,101             | 7,070,376             | 6,699,396            |
| 330891                     | RHINELANDER(HEADWTR)     | 2    | 2,723,198             | 11,183,262            | 10,633,189            | 16,498,875            | 13,284,016           |
| 330891                     | RHINELANDER-FRONTIER     | 2    | 10,261,877            | N/A                   | N/A                   | N/A                   | N/A                  |
| 330892                     | HILLSBORO TEL CO         | AS   | 3,480,090             | 4,347,943             | 4,267,215             | 4,481,892             | 3,891,003            |
| 330895                     | CENTURYTEL-WISCONSIN     | 2    | 182,826,460           | 194,773,350           | 200,056,216           | 210,519,806           | 193,570,183          |
| 330896                     | LAKEFIELD TEL CO         | AS   | 3,064,286             | 3,388,690             | 3,495,890             | 3,281,456             | 3,516,310            |
| 330898                     | CenturyTel-Larsen-Re     | 2    | 4,925,698             | 5,550,867             | 5,765,738             | 6,492,512             | 6,059,711            |
| 330899                     | LA VALLE TEL COOP        | AS   | 3,497,424             | 3,962,907             | 4,286,804             | 4,259,004             | 4,244,830            |
| 330900                     | LEMONWEIR VALLEY TEL     | AS   | 7,455,041             | 7,848,746             | 7,978,310             | 8,033,198             | 7,973,380            |
| 330902                     | LUCK TEL CO              | AS   | 6,954,070             | 7,200,385             | 7,475,083             | 6,055,366             | 8,172,170            |
| 330905                     | MANAWA TEL CO            | AS   | 4,495,214             | 5,039,718             | 5,283,654             | 5,196,546             | 4,961,642            |
| 330908                     | MARQUETTE-ADAMS COOP     | 2    | 7,646,435             | 9,260,800             | 9,457,124             | 9,963,624             | 9,438,439            |
| 330909                     | MIDWAY TEL CO            | 2    | 14,288,417            | 13,981,777            | 13,959,741            | 13,823,487            | 13,873,950           |
| 330910                     | MILLTOWN MUTUAL TEL      | 2    | 6,479,763             | 6,917,147             | 7,505,270             | 7,766,668             | 7,828,994            |
| 330912                     | FRONTIER-MONDOVI         | 2    | 6,151,451             | 6,235,552             | 6,450,927             | 6,975,556             | 6,810,669            |
| 330913                     | CenturyTel-Monroe        | 2    | 34,332,435            | 38,454,804            | 40,795,964            | 41,690,079            | 48,510,133           |

**Table 8.4**  
**Total Interstate Access Minutes by Study Area**  
**(in Thousands)**

| Study Area ID Code                         | Study Area Name               | Type | 1999                   | 2000                   | 2001                   | 2002                   | 2003                   |
|--|-------------------------------|------|------------------------|------------------------|------------------------|------------------------|------------------------|
| <b>WISCONSIN (CONT.)</b>                   |                               |      |                        |                        |                        |                        |                        |
| 330914                                     | EASTCOAST TELECOM             | AS   | 10,070,627             | 10,208,404             | 10,028,083             | 9,692,676              | 9,276,251              |
| 330915                                     | MOSINEE TEL CO                | AS   | 11,390,682             | 12,440,692             | 12,904,057             | 14,221,573             | 14,340,583             |
| 330916                                     | MOUNT HOREB TEL CO            | 2    | 9,618,612              | 10,111,969             | 9,830,505              | 10,432,761             | 10,761,445             |
| 330917                                     | MT VERNON TEL CO              | 2    | 27,485,806             | 30,067,457             | 28,968,964             | 29,320,928             | 33,067,994             |
| 330918                                     | NELSON TEL COOP               | 2    | 9,878,679              | 10,450,369             | 11,101,805             | 11,454,230             | 12,002,716             |
| 330920                                     | NIAGARA TEL CO                | 2    | 13,918,932             | 13,783,185             | 13,574,571             | 13,198,821             | 14,936,051             |
| 330922                                     | CENTURYTEL-MW-WI/NW           | 2    | 202,524,146            | 210,514,610            | 211,520,426            | 229,376,381            | 222,049,522            |
| 330924                                     | CENTURYTEL-MW-KENDAL          | 2    | 209,377,641            | 228,407,823            | 229,866,787            | 237,758,084            | 233,557,817            |
| 330925                                     | BAYLAND TEL CO                | AS   | 5,746,374              | 4,192,257              | 4,781,964              | 5,085,055              | 4,973,162              |
| 330930                                     | GRANTLAND TELECOM             | AS   | 9,385,656              | 7,869,333              | 6,640,936              | 7,172,348              | 7,444,333              |
| 330931                                     | CENTURYTEL-SO WI              | 2    | 15,161,087             | 15,064,218             | 15,826,873             | 16,076,402             | 14,746,459             |
| 330934                                     | CENTURYTEL-MW-WI(PLATTEVILLE) | 2    | 23,376,762             | 26,062,354             | 27,407,295             | 26,857,737             | 23,258,508             |
| 330936                                     | INDIANHEAD TEL CO             | 2    | 8,195,015              | 6,646,044              | 6,211,046              | 7,156,703              | 7,934,852              |
| 330937                                     | PRICE COUNTY TEL CO           | 2    | 12,509,041             | 12,807,297             | 13,020,913             | 16,027,377             | 16,053,193             |
| 330938                                     | NORTHEAST TEL CO              | AS   | 16,115,542             | 18,749,324             | 19,910,617             | 21,517,488             | 22,134,414             |
| 330940                                     | RHINELANDER(RHINLDR)          | 2    | 9,788,454              | 38,991,905             | 37,495,962             | 38,147,832             | 35,711,419             |
| 330940                                     | RHINELANDER-FRONTIER          | 2    | 35,787,057             | N/A                    | N/A                    | N/A                    | N/A                    |
| 330941                                     | RHINELANDER(RIB LKE)          | 2    | 731,115                | 2,890,988              | 2,796,206              | 3,092,352              | 3,223,859              |
| 330941                                     | RHINELANDER-FRONTIER          | 2    | 2,717,273              | N/A                    | N/A                    | N/A                    | N/A                    |
| 330942                                     | RICHLAND-GRANT COOP           | AS   | 6,458,806              | 5,011,039              | 6,753,118              | 7,989,877              | 8,251,406              |
| 330943                                     | RIVERSIDE TELECOM             | AS   | 14,796,438             | 9,483,933              | 7,521,710              | 6,867,681              | 6,257,602              |
| 330944                                     | FRONTIER-ST. CROIX            | AS   | 33,306,679             | 35,231,324             | 35,603,047             | 35,643,604             | 35,201,504             |
| 330945                                     | SCANDINAVIA TEL CO            | AS   | 6,862,785              | 9,456,703              | 10,273,335             | 9,187,016              | 5,429,482              |
| 330946                                     | SHARON TEL CO                 | AS   | 4,354,874              | 4,589,376              | 4,828,248              | 4,774,443              | 4,839,317              |
| 330949                                     | SIREN TEL CO INC              | AS   | 6,526,053              | 7,176,232              | 7,791,856              | 7,517,723              | 7,492,475              |
| 330950                                     | CenturyTel-NW WI              | 2    | 59,996,013             | 70,646,959             | 73,315,934             | 73,303,112             | 75,873,799             |
| 330951                                     | SOMERSET TEL CO               | AS   | 10,361,282             | 10,766,710             | 11,117,429             | 10,914,468             | 11,956,757             |
| 330952                                     | SE TEL OF WISCONSIN           | 2    | 22,734,818             | 22,892,956             | 21,881,320             | 21,367,705             | 20,337,273             |
| 330953                                     | SPRING VALLEY TEL CO          | 2    | 3,075,829              | 3,424,698              | 3,735,878              | 3,841,137              | 4,075,659              |
| 330954                                     | STOCKBRIDGE & SHERWD          | 2    | 4,615,755              | 5,065,470              | 5,357,169              | 5,028,660              | 5,021,392              |
| 330955                                     | STATE LONG DISTANCE           | AS   | 28,476,406             | 29,959,823             | 28,789,582             | 26,319,557             | 26,516,019             |
| 330956                                     | CenturyTel-North WI           | 2    | 32,986,891             | 36,081,079             | 37,295,701             | 40,408,875             | 38,887,577             |
| 330956                                     | TENNEY TEL CO                 | 2    | 2,874,546              | 3,397,701              | 3,338,232              | 3,523,291              | 3,266,133              |
| 330959                                     | CENTURYTEL-MW-WI(THORP)       | 2    | 5,358,774              | 4,766,246              | 4,913,386              | 5,981,131              | 5,916,697              |
| 330960                                     | TRI-COUNTY TEL COOP           | AS   | 7,913,468              | 6,116,874              | 8,890,343              | 9,113,067              | 9,708,447              |
| 330962                                     | UNION TEL CO                  | AS   | 10,298,325             | 10,652,052             | 10,601,826             | 11,752,513             | 11,359,682             |
| 330963                                     | UTELCO INC                    | 2    | 41,751,054             | 42,719,280             | 43,954,413             | 44,966,674             | 45,001,442             |
| 330964                                     | FRONTIER- WISCONSIN           | 2    | 46,176,918             | 47,611,345             | 48,821,880             | 48,850,588             | 51,384,111             |
| 330966                                     | VERNON TEL COOP               | AS   | 15,254,139             | 17,408,553             | 17,738,043             | 19,862,365             | 21,799,347             |
| 330967                                     | FRONTIER OF VIROQUA           | AS   | 8,785,018              | 8,595,329              | 8,660,647              | 9,152,051              | 8,912,994              |
| 330968                                     | WAUNAKEE TEL CO               | AS   | 15,741,868             | 16,603,310             | 16,604,605             | 16,212,208             | 15,805,060             |
| 330970                                     | CENTURYTEL-MW-WI              | AS   | 15,905,911             | 17,527,722             | 17,494,734             | 18,731,179             | 17,666,613             |
| 330971                                     | W WISCONSIN TELCOM            | AS   | 17,391,827             | 16,494,260             | 20,227,071             | 20,408,684             | 20,168,755             |
| 330973                                     | WITTENBERG TEL CO             | 2    | 4,769,768              | 5,071,347              | 5,153,981              | 5,647,989              | 5,110,501              |
| 330974                                     | WOOD COUNTY TEL CO            | 2    | 66,942,367             | 72,617,678             | 76,949,572             | 78,539,718             | 77,246,174             |
| 331155                                     | TELEPHONE USA OF WI           | 2    | N/A                    | 48,675,775             | 168,391,348            | 177,978,021            | 168,693,556            |
| 331159                                     | CENTURYTEL-CENTRL WI          | 2    | N/A                    | 41,911,139             | 143,610,422            | 162,734,052            | 153,141,605            |
| 335220                                     | WISCONSIN BELL                | 1    | 5,559,185,222          | 5,655,400,980          | 5,524,138,317          | 4,974,984,352          | 4,194,110,161          |
| <b>WYOMING Total</b>                       |                               |      | <b>1,354,119,181</b>   | <b>1,383,943,903</b>   | <b>1,239,468,946</b>   | <b>1,182,317,570</b>   | <b>1,123,310,772</b>   |
| 511595                                     | UTC OF THE WEST-WA            | 2    | 30,298,817             | 32,809,552             | 33,022,170             | 31,997,321             | 30,192,806             |
| 512251                                     | RANGE TEL COOP - WY           | 2    | 76,638,431             | 75,106,889             | 75,833,629             | 79,643,374             | 75,504,189             |
| 512289                                     | CHUGWATER TEL CO              | 2    | 1,460,349              | 1,510,246              | 1,651,626              | 1,471,218              | 909,446                |
| 512290                                     | ALL WEST COMM -WY             | 2    | 1,869,677              | 2,506,582              | 2,216,972              | 2,935,745              | 2,608,191              |
| 512291                                     | DUBOIS TEL EXCHANGE           | 2    | 10,128,883             | 10,228,616             | 10,161,147             | 9,974,221              | 9,902,508              |
| 512295                                     | SILVER STAR TEL-WY            | 2    | 9,842,828              | 12,361,799             | 11,791,181             | 13,869,133             | 14,498,320             |
| 512296                                     | TRI COUNTY TEL ASSN           | 2    | 32,666,269             | 30,625,024             | 29,952,426             | 29,725,330             | 27,955,648             |
| 512297                                     | UNION TELEPHONE CO            | 2    | 37,176,995             | 30,583,517             | 32,380,614             | 32,416,103             | 32,509,451             |
| 512299                                     | CENTURYTEL OF WY              | 2    | 19,440,225             | 20,757,395             | 21,643,713             | 22,276,709             | 23,378,106             |
| 515108                                     | QWEST CORP - WY               | 1    | 1,134,594,807          | 1,167,454,279          | 1,020,815,468          | 958,008,416            | 905,852,107            |
| <b>TOTAL TIER 1 COST COMPANIES</b>         |                               |      | <b>512,729,262,408</b> | <b>523,927,960,784</b> | <b>494,110,904,372</b> | <b>441,702,530,298</b> | <b>399,494,608,811</b> |
| <b>TOTAL TIER 2 COST COMPANIES</b>         |                               |      | <b>33,571,430,135</b>  | <b>36,626,893,592</b>  | <b>37,757,451,800</b>  | <b>38,006,727,047</b>  | <b>38,158,796,866</b>  |
| <b>TOTAL COST COMPANIES</b>                |                               |      | <b>546,300,692,543</b> | <b>560,554,854,376</b> | <b>531,868,356,172</b> | <b>479,709,257,345</b> | <b>437,653,405,677</b> |
| <b>TOTAL AVERAGE SCHEDULE COMPANIES AS</b> |                               |      | <b>6,013,287,754</b>   | <b>6,362,867,651</b>   | <b>6,443,578,182</b>   | <b>6,431,215,271</b>   | <b>6,433,186,911</b>   |
| <b>TOTAL REPORTED</b>                      |                               |      | <b>552,313,970,297</b> | <b>566,917,722,227</b> | <b>538,311,935,354</b> | <b>486,140,272,616</b> | <b>444,066,592,588</b> |



Table 8.5  
State Code Reference

| SORTED BY STATE ALPHABETICALLY |            | SORTED BY STATE CODE NUMERICALLY |                          |
|--------------------------------|------------|----------------------------------|--------------------------|
| STATE                          | STATE CODE | STATE CODE                       | STATE                    |
| ALABAMA                        | 25         | 10                               | MAINE                    |
| ALASKA                         | 61         | 11                               | MASSACHUSETTS            |
| ARIZONA                        | 45         | 12                               | NEW HAMPSHIRE            |
| ARKANSAS                       | 40         | 13                               | CONNECTICUT              |
| CALIFORNIA                     | 54         | 14                               | VERMONT                  |
| COLORADO                       | 46         | 15                               | NEW YORK                 |
| CONNECTICUT                    | 13         | 16                               | NEW JERSEY               |
| DELAWARE                       | 56         | 17                               | PENNSYLVANIA             |
| DISTRICT OF COLUMBIA           | 57         | 18                               | MARYLAND                 |
| FLORIDA                        | 21         | 19                               | VIRGINIA                 |
| GEORGIA                        | 22         | 20                               | WEST VIRGINIA            |
| GUAM                           | 66         | 21                               | FLORIDA                  |
| HAWAII                         | 62         | 22                               | GEORGIA                  |
| IDAHO                          | 47         | 23                               | NORTH CAROLINA           |
| ILLINOIS                       | 34         | 24                               | SOUTH CAROLINA           |
| INDIANA                        | 32         | 25                               | ALABAMA                  |
| IOWA                           | 35         | 26                               | KENTUCKY                 |
| KANSAS                         | 41         | 27                               | LOUISIANA                |
| KENTUCKY                       | 26         | 28                               | MISSISSIPPI              |
| LOUISIANA                      | 27         | 29                               | TENNESSEE                |
| MAINE                          | 10         | 30                               | OHIO                     |
| MARYLAND                       | 18         | 31                               | MICHIGAN                 |
| MASSACHUSETTS                  | 11         | 32                               | INDIANA                  |
| MICHIGAN                       | 31         | 33                               | WISCONSIN                |
| MINNESOTA                      | 36         | 34                               | ILLINOIS                 |
| MISSISSIPPI                    | 28         | 35                               | IOWA                     |
| MISSOURI                       | 42         | 36                               | MINNESOTA                |
| MONTANA                        | 48         | 37                               | NEBRASKA                 |
| NEBRASKA                       | 37         | 38                               | NORTH DAKOTA             |
| NEVADA                         | 55         | 39                               | SOUTH DAKOTA             |
| NEW HAMPSHIRE                  | 12         | 40                               | ARKANSAS                 |
| NEW JERSEY                     | 16         | 41                               | KANSAS                   |
| NEW MEXICO                     | 49         | 42                               | MISSOURI                 |
| NEW YORK                       | 15         | 43                               | OKLAHOMA                 |
| NORTH CAROLINA                 | 23         | 44                               | TEXAS                    |
| NORTH DAKOTA                   | 38         | 45                               | ARIZONA                  |
| NORTHERN MARIANA ISLANDS       | 65         | 46                               | COLORADO                 |
| OHIO                           | 30         | 47                               | IDAHO                    |
| OKLAHOMA                       | 43         | 48                               | MONTANA                  |
| OREGON                         | 53         | 49                               | NEW MEXICO               |
| PENNSYLVANIA                   | 17         | 50                               | UTAH                     |
| PUERTO RICO                    | 63         | 51                               | WYOMING                  |
| RHODE ISLAND                   | 58         | 52                               | WASHINGTON               |
| SOUTH CAROLINA                 | 24         | 53                               | OREGON                   |
| SOUTH DAKOTA                   | 39         | 54                               | CALIFORNIA               |
| TENNESSEE                      | 29         | 55                               | NEVADA                   |
| TEXAS                          | 44         | 56                               | DELAWARE                 |
| UTAH                           | 50         | 57                               | DISTRICT OF COLUMBIA     |
| VERMONT                        | 14         | 58                               | RHODE ISLAND             |
| VIRGIN ISLANDS                 | 64         | 61                               | ALASKA                   |
| VIRGINIA                       | 19         | 62                               | HAWAII                   |
| WASHINGTON                     | 52         | 63                               | PUERTO RICO              |
| WEST VIRGINIA                  | 20         | 64                               | VIRGIN ISLANDS           |
| WISCONSIN                      | 33         | 65                               | NORTHERN MARIANA ISLANDS |
| WYOMING                        | 51         | 66                               | GUAM                     |



## 9. Quality of Service

### Introduction

This section summarizes various kinds of service quality data filed by the regional Bell Companies and Sprint (incumbent local exchange carriers) for calendar year 2003. The data track the quality of service provided to both retail customers (business and residential) and access customers (interexchange carriers).

The Federal Communications Commission (FCC or Commission) does not impose service quality standards on communications common carriers. Rather, the Commission annually monitors quality of service data submitted by major incumbent local operating companies that collectively serve about 90% of the incumbents' access lines. The Commission summarizes these data and periodically publishes a report on quality of service trends.<sup>1</sup> The tables included in this report present comparative data on key company performance indicators. These include objective indicators of installation and maintenance performance, switch outages and trunk blocking performance. The tables also present data on customer perceptions of service, as well as the level of consumer complaints.

### Background

At the end of 1983, anticipating AT&T's imminent divestiture of its local operating companies, the Commission directed the Common Carrier Bureau<sup>2</sup> to establish a monitoring program that would provide a basis for detecting adverse trends in network service quality. Subsequently, the Bureau modified the service quality reporting requirements to reduce unnecessary paperwork and to ensure that needed information would be provided in a uniform format. Initially, the data were received twice yearly. The data collected for 1989 and 1990 formed the basis for FCC summary reports published in June 1990 and July 1991, respectively, highlighting five basic elements of quality of service data collected at that time.

With the implementation of price-cap regulation for certain local exchange carriers, the Commission made several major changes to the service quality monitoring program beginning with

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- 1 The last report on service quality was released in February 2004, which covered data for 2002. See Industry Analysis and Technology Division, Wireline Competition Bureau, Federal Communications Commission, *Quality of Service of the Local Operating Companies* (February, 2004). This report can be found on the Commission's FCC-State Link website at [www.fcc.gov/web/iatd/stats.html](http://www.fcc.gov/web/iatd/stats.html) under the category Telephone Industry Infrastructure and Service Quality.
  - 2 As the result of a reorganization in March 2002, the Wireline Competition Bureau now performs Common Carrier Bureau functions described in this report. In this report, references to the Common Carrier Bureau apply to activities prior to the above date.

reports filed in 1991. First, the Commission expanded the class of companies filing reports to include non-Bell carriers that have elected to be subject to price-cap regulation.<sup>3</sup> These carriers are also known as non-mandatory price-cap carriers and most of them are much smaller. Second, it included service quality reports in the Automated Reporting Management Information System (ARMIS).<sup>4</sup> Finally, the Commission ordered significant changes to the kinds of data these carriers had to report.<sup>5</sup> Following these developments, the Commission released service quality summary reports in February 1993, March 1994, March 1996, September 1998, December 1999, December 2001, January 2003, and February 2004 focusing on the largest companies.<sup>6</sup>

In 1996, pursuant to requirements in the Telecommunications Act of 1996,<sup>7</sup> the Commission reduced the frequency of data reporting for all reports to annual submissions.<sup>8</sup> In May

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- 3     *Policy and Rules Concerning Rates for Dominant Carriers*, CC Docket No. 87-313, Second Report and Order, 5 FCC Rcd 6786, 6827-31 (1990) (*LEC Price Cap Order*) (establishing the current service quality monitoring program and incorporating the service quality reports into the ARMIS program), Erratum, 5 FCC Rcd 7664 (1990), *modified on recon.*, 6 FCC Rcd 2637 (1991), *aff'd sub nom.*, *Nat'l Rural Telecom Ass'n v. FCC*, 988 F.2d 174 (D.C. Cir. 1993). The incumbent local exchange carriers that are rate-of-return regulated are not subject to federal service quality reporting requirements.
- 4     *LEC Price Cap Order*, 5 FCC Rcd at 6827-30. The ARMIS database includes a variety of mechanized company financial and infrastructure reports in addition to the quality-of-service reports. Most data are available disaggregated to a study area level which generally represents operations within a given state.
- 5     *Id.*; *Policy and Rules Concerning Rates for Dominant Carriers*, CC Docket No. 87-313, Memorandum Opinion and Order, 6 FCC Rcd 2974 (1991) (*Service Quality Order*), *recon.*, 6 FCC Rcd 7482 (1991). Previously the Common Carrier Bureau had collected data on five basic service quality measurements from the Bell Operating Companies. These were customer satisfaction levels, dial tone delay, transmission quality, on time service orders, and percentage of call blocking due to equipment failure.
- 6     The reports have included data from the mandatory price cap companies and the largest non-mandatory carriers, GTE and Sprint. GTE is now a part of Verizon, a mandatory price cap carrier. Non-mandatory carriers are not required to file customer satisfaction data that appears in the ARMIS 43-06 report.
- 7     *Telecommunications Act of 1996*, Pub. L. No. 104-104, 110 Stat. 56.
- 8     Orders implementing filing frequency and other reporting requirement changes associated with implementation of the Telecommunications Act of 1996 are as follows: *Implementation of the Telecommunications Act of 1996: Reform of Filing Requirements and Carrier Classifications*, CC Docket No. 96-193, Order and Notice of Proposed Rulemaking, 11 FCC Rcd 11716 (1996); *Revision of ARMIS Quarterly Report (FCC Report 43-01) et al.*, CC Docket No. 96-193, Order, 11 FCC Rcd 22508 (1996); *Policy*

1997, relevant definitions were clarified further. These changes have been reflected starting with data covering the 1997 calendar year. The raw data are now filed annually in April of each year.

### The Data

The data presented in this section summarize the ARMIS 43-05 and 43-06 carrier reports and include early data revisions if they are submitted in time for inclusion herein.<sup>9</sup> Tables in this section include data from the regional Bell companies, Sprint, and other smaller price-cap companies.<sup>10</sup> This year we have added a set of tables for smaller non-mandatory price cap companies. The companies report quality of service data that have been aggregated to a study area level which generally represent operations within a given state. Tables 9.1(a), 9.2(a), 9.3(a), 9.4 and 9.5 cover data for the Bell operating companies or mandatory price cap companies and Tables 9.1(b), 9.2(b) and 9.3(b) cover data for smaller non-mandatory price-cap companies. The resulting data in the tables represent the aggregate of all study areas for each listed entity. Reporting companies also provide a fairly extensive amount of raw data about individual switching outages, including outage durations and number of lines affected.

The company-level quality of service data presented in the tables are derived by calculating sums or weighted averages of data reported at the study area level. In particular, where companies report study area information in terms of percentages or average time intervals, this section presents company composites that are calculated by weighting the percentage or time interval figures from all study areas within that company. For example, we weight the percent of commitments met by the corresponding number of orders provided in the filed data.<sup>11</sup>

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*and Rules Concerning Rates for Dominant Carriers*, CC Docket No. 87-313, Memorandum Opinion and Order, 12 FCC Rcd 8115 (1997); *Revision of ARMIS Annual Summary Report (FCC Report 43-01) et al.*, AAD No. 95-91, Order, 12 FCC Rcd 21831 (1997).

9 Source data used in preparing this report may be useful for further investigation and can be readily extracted from the ARMIS 43-05 and 43-06 tables on the online database maintained on the FCC website at [www.fcc.gov/web/eafs](http://www.fcc.gov/web/eafs). The data are also available from Best Copy and Printing, Inc. at (202) 488-5300. A number of prior-year data summary reports are available through the FCC's Reference Information Center (Courtyard Level) at 445 12th Street, SW, Washington, D.C. 20554.

10 In February 1992, United Telecommunications Inc. became Sprint Corporation (Local Division); and in March 1993, Sprint Corporation acquired Centel Corporation. Bell Atlantic and NYNEX merged in August 1997, and then merged with GTE in 2000. Verizon Communications is shown separately for GTE, Verizon North (the former NYNEX companies), and Verizon South (the former Bell Atlantic Companies). SBC, Pacific Telesis and Ameritech are shown separately despite the merger of SBC and Pacific Telesis in April 1997 and SBC and Ameritech in October 1999.

11 Although companies have prepared their own company composites, we have recalculated

In the case of outage data summarized in Tables 9.2 and 9.3, we calculate a number of useful statistics from raw data records for individual switches with outages lasting more than 2 minutes. These statistics include the total number of events lasting more than 2 minutes, average outage duration, average number of outages per hundred switches, average number of outages per million access lines, and average outage line-minutes per thousand access lines and per event. Outage line-minutes is a measure that combines both duration and number of lines affected in a single parameter. We derive this parameter from the raw data by multiplying the number of lines involved in each outage by the duration of the outage and summing the resulting values. We then divide the resulting sum by the total number of thousands of access lines or of events to obtain average outage line-minutes per access line and average outage line minutes per event respectively.

The tables contained in this section cover data for 2003. Table 9.1 provides installation, maintenance and customer complaint data. The installation and maintenance data are presented separately for local services provided to end users and access services provided to interexchange carriers. Table 9.2 shows switch downtime and trunk servicing data. Table 9.3 shows outage data by cause. Tables 9.4 and 9.5 present data filed only by mandatory price-cap companies (Bell Operating Companies) in the ARMIS 43-06 report. The statistics presented in Tables 9.4 and 9.5 are straightforward and contain percentages and sample sizes in approximately the same format it was filed. Table 9.4 contains the percentages of residential, small business and large business customers indicating dissatisfaction with Bell Operating Company (BOC) installations, repairs and business offices, as determined by BOC customer perception surveys. Table 9.5 shows the underlying survey sample sizes.

This section displays data elements that have remained roughly comparable over the past few years. Such data are useful in identifying and assessing trends. More detailed information on the raw data from which this section has been developed may be found on the Commission's ARMIS web page cited in footnote 9. Complete data descriptions are available in several Commission orders.<sup>12</sup>

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a number of them from study area data to assure that company averages are calculated in a consistent manner. We weight data involving percentages or time intervals in order to arrive at consistent composite data shown in the tables. Parameters used for weighting in this report were appropriate for the composite being calculated and were based on the raw data filed by the carriers but are not necessarily shown in the tables. For example, we calculate composite installation interval data by summing the individual study area results multiplied by the number of installation orders reported for each study area and then dividing the result by the total number of orders.

12 See *supra* note 8.

**Table 9.1 (a)**  
**Installation, Maintenance, & Customer Complaints**  
**Bell Companies - 2003**

|  | BellSouth | Qwest | SBC<br>Ameritech | SBC<br>Pacific | SBC<br>Southwestern | SBC<br>SNET | Verizon<br>North | Verizon<br>South | Verizon<br>GTE |
|--|-----------|-------|------------------|----------------|---------------------|-------------|------------------|------------------|----------------|
| <b>ACCESS SERVICES PROVIDED TO INTEREXCHANGE CARRIERS -- SWITCHED ACCESS</b> |           |       |                  |                |                     |             |                  |                  |                |
| Percent Installation Commitments Met   | 100.0     | 99.6  | 77.5             | 96.9           | 89.5                | 40.8        | 98.3             | 98.5             | 95.0           |
| Average Installation Interval (days)   | 18.2      | 15.8  | 43.6             | 34.3           | 27.2                | NA          | 26.8             | 23.5             | 25.7           |
| Average Repair Interval (hours)  | 0.5       | 1.5   | 6.5              | 17.9           | 5.2                 | 0.7         | 3.9              | 6.3              | 10.5           |
| <b>ACCESS SERVICES PROVIDED TO INTEREXCHANGE CARRIERS -- SPECIAL ACCESS</b>  |           |       |                  |                |                     |             |                  |                  |                |
| Percent Installation Commitments Met   | 99.8      | 98.4  | 96.0             | 99.1           | 98.3                | 95.2        | 88.1             | 89.7             | 92.4           |
| Average Installation Interval (days)   | 12.0      | 9.2   | 17.4             | 17.2           | 17.0                | 17.5        | 23.9             | 17.8             | 19.6           |
| Average Repair Interval (hours)  | 3.2       | 2.8   | 4.3              | 3.5            | 3.1                 | 3.6         | 8.0              | 4.4              | 18.2           |
| <b>LOCAL SERVICES PROVIDED TO RESIDENTIAL AND BUSINESS CUSTOMERS</b>         |           |       |                  |                |                     |             |                  |                  |                |
| Percent Installation Commitments Met   | 97.3      | 99.6  | 98.9             | 99.5           | 99.0                | 99.5        | 98.5             | 98.7             | 98.6           |
| Residence  | 98.3      | 99.7  | 98.9             | 99.6           | 99.1                | 99.5        | 98.6             | 98.8             | 98.8           |
| Business   | 90.1      | 98.8  | 98.2             | 99.2           | 98.3                | 98.9        | 97.5             | 97.1             | 96.0           |
| Average Installation Interval (days)   | 1.4       | 0.4   | 1.5              | 1.7            | 2.0                 | 1.3         | 1.1              | 1.5              | 0.5            |
| Residence  | 1.1       | 0.4   | 1.5              | 1.5            | 1.9                 | 1.0         | 1.0              | 1.4              | 0.5            |
| Business   | 1.8       | 1.2   | 1.7              | 3.3            | 2.4                 | 3.3         | 2.3              | 2.3              | 1.9            |
| Average Out of Service Repair Interval (hours)                               | 19.7      | 14.6  | 16.4             | 23.6           | 20.9                | 26.6        | 32.6             | 31.1             | 18.4           |
| Residence  | 21.5      | 14.7  | 16.9             | 25.8           | 22.1                | 26.7        | 34.8             | 33.9             | 19.9           |
| Business   | 10.6      | 13.8  | 14.1             | 13.0           | 14.4                | 26.1        | 23.7             | 16.0             | 11.2           |
| Initial Trouble Reports per Thousand Lines                                   | 278.5     | 113.4 | 149.7            | 119.4          | 175.4               | 180.3       | 194.1            | 157.9            | 153.1          |
| Total MSA  | 269.3     | 112.8 | 147.7            | 115.8          | 160.7               | 177.7       | 197.4            | 155.0            | 146.7          |
| Total Non MSA  | 334.0     | 115.8 | 173.9            | 231.9          | 253.5               | 232.5       | 171.5            | 190.8            | 176.4          |
| Total Residence  | 320.4     | 134.7 | 212.6            | 166.3          | 274.8               | 228.2       | 289.1            | 226.8            | 176.0          |
| Total Business   | 168.1     | 65.0  | 59.6             | 47.9           | 58.3                | 77.0        | 81.9             | 61.5             | 99.5           |
| Troubles Found per Thousand Lines  | 166.8     | 86.5  | 106.7            | 100.9          | 133.2               | 96.0        | 138.0            | 117.0            | 127.3          |
| Repeat Troubles as a Pct. of Trouble Reports                                 | 19.0%     | 19.5% | 16.6%            | 10.4%          | 13.5%               | 17.5%       | 22.2%            | 20.4%            | 13.7%          |
| Res. Complaints per Mill. Res. Access Lines                                  | 205.2     | 147.7 | 22.6             | 18.9           | 24.4                | 113.2       | 166.7            | 563.7            | 113.8          |
| Bus. Complaints per Mill. Bus. Access Lines                                  | 58.1      | 59.4  | 3.9              | 2.4            | 4.9                 | 61.0        | 28.1             | 50.5             | 44.4           |

NA: Not available

Please refer to text for notes and data qualifications

**Table 9.1 (b)**  
**Installation, Maintenance, & Customer Complaints**  
**Other Companies - 2003**

|  | Alltel | CenturyTel | Cincinnati<br>Bell | Citizens | Citizens<br>Frontier | Iowa<br>Telecom | Sprint | Valor |
|--|--------|------------|--------------------|----------|----------------------|-----------------|--------|-------|
| <b>ACCESS SERVICES PROVIDED TO INTEREXCHANGE CARRIERS -- SWITCHED ACCESS</b> |        |            |                    |          |                      |                 |        |       |
| Percent Installation Commitments Met   | 89.8   | 89.0       | 100.0              | 93.0     | 92.6                 | 66.2            | 91.5   | 94.0  |
| Average Installation Interval (days)   | 15.3   | 13.8       | 15.3               | 30.0     | 9.3                  | 14.8            | 10.9   | 25.7  |
| Average Repair Interval (hours)  | 4.9    | 25.8       | NA                 | NA       | 2.8                  | 11.3            | 2.9    | NA    |
| <b>ACCESS SERVICES PROVIDED TO INTEREXCHANGE CARRIERS -- SPECIAL ACCESS</b>  |        |            |                    |          |                      |                 |        |       |
| Percent Installation Commitments Met   | 90.4   | 85.3       | 100.0              | 89.7     | 77.5                 | 63.9            | 95.5   | 98.2  |
| Average Installation Interval (days)   | 11.8   | 13.8       | 13.9               | 17.7     | 20.5                 | 13.8            | 10.1   | 15.6  |
| Average Repair Interval (hours)  | 4.6    | 12.3       | 2.7                | 21.0     | 24.0                 | 11.4            | 4.5    | 3.4   |
| <b>LOCAL SERVICES PROVIDED TO RESIDENTIAL AND BUSINESS CUSTOMERS</b>         |        |            |                    |          |                      |                 |        |       |
| Percent Installation Commitments Met   | 97.4   | 98.4       | 99.9               | 96.5     | 76.7                 | 98.8            | 97.1   | 97.7  |
| Residence  | 97.7   | 98.3       | 99.9               | 96.7     | 77.6                 | 98.7            | 97.5   | 97.7  |
| Business   | 95.2   | 75.9       | 99.8               | 95.8     | 71.1                 | 98.0            | 94.2   | 97.7  |
| Average Installation Interval (days)   | 1.9    | 3.6        | 2.1                | 5.5      | 4.8                  | 1.9             | 1.6    | 2.0   |
| Residence  | 1.9    | 3.3        | 4.5                | 5.2      | 5.0                  | 1.8             | 1.4    | 2.0   |
| Business   | 2.7    | 4.6        | 1.8                | 7.6      | 3.8                  | 2.7             | 2.7    | 2.0   |
| Average Out of Service Repair Interval (hours)                               | 24.8   | 15.3       | 58.1               | 16.1     | 28.0                 | 9.8             | 17.1   | 16.4  |
| Residence  | 25.9   | 15.7       | 37.6               | 16.3     | 28.1                 | 10.1            | 17.3   | 16.9  |
| Business   | 16.9   | 13.8       | 20.1               | 14.3     | 27.7                 | 7.6             | 15.7   | 13.3  |
| Initial Trouble Reports per Thousand Lines                                   | 233.5  | 131.4      | 114.6              | 275.7    | 266.6                | 129.4           | 192.2  | 368.0 |
| Total MSA  | 227.1  | 121.5      | 114.6              | NA       | 279.1                | 129.8           | 172.7  | 291.9 |
| Total Non MSA  | 240.2  | 140.0      | NA                 | 275.7    | 252.0                | 129.3           | 230.7  | 434.1 |
| Total Residence  | 294.3  | 147.5      | 143.3              | 313.6    | 300.8                | 146.4           | 231.7  | 433.6 |
| Total Business   | 92.2   | 80.8       | 47.3               | 155.8    | 185.8                | 70.1            | 87.7   | 182.5 |
| Troubles Found per Thousand Lines  | 180.7  | 107.6      | 104.1              | 230.8    | 218.2                | 114.9           | 127.3  | 348.1 |
| Repeat Troubles as a Pct. of Trouble Reports                                 | 22.5%  | 22.7%      | 16.1%              | 15.2%    | 13.2%                | 16.7%           | 20.5%  | 11.9% |
| Res. Complaints per Mill. Res. Access Lines                                  | 326.4  | 746.6      | 383.3              | 537.5    | 184.7                | 25.1            | 110.0  | 271.3 |
| Bus. Complaints per Mill. Bus. Access Lines                                  | 62.9   | 324.7      | 110.5              | 141.9    | 100.6                | 0.0             | 47.9   | 173.5 |

NA: Not available

Please refer to text for notes and data qualifications

**Table 9.2 (a)**  
**Switch Downtime & Trunk Blocking**  
**Bell Companies - 2003**

|  | BellSouth | Qwest  | SBC<br>Ameritech | SBC<br>Pacific | SBC<br>Southwestern | SBC<br>SNET | Verizon<br>North | Verizon<br>South | Verizon<br>GTE |
|--|-----------|--------|------------------|----------------|---------------------|-------------|------------------|------------------|----------------|
| Total Access Lines in Thousands                    | 22,206    | 14,277 | 18,309           | 16,693         | 14,670              | 2,173       | 16,557           | 20,432           | 16,366         |
| Total Trunk Groups                                 | 3,361     | 3,206  | 1,003            | 1,263          | 741                 | NA          | 788              | 891              | 1,566          |
| Total Switches                                     | 1,629     | 1,322  | 1,439            | 779            | 1,658               | 161         | 1,292            | 1,336            | 3,146          |
| Switches with Downtime                             |           |        |                  |                |                     |             |                  |                  |                |
| Number of Switches                                 | 40        | 147    | 25               | 26             | 65                  | 1           | 63               | 53               | 86             |
| As a Percentage of Total Switches                  | 2.5%      | 11.1%  | 1.7%             | 3.3%           | 3.9%                | 0.6%        | 4.9%             | 4.0%             | 2.7%           |
| Average Switch Downtime in Seconds per Switch      |           |        |                  |                |                     |             |                  |                  |                |
| For All Events                                     | 24.0      | 69.4   | 3.4              | 0.3            | 52.8                | 7.5         | 244.3            | 26.1             | 396.8          |
| For Unscheduled Events Over 2 Minutes              | 23.0      | 60.8   | 2.6              | 0.0            | 51.7                | 7.5         | 210.4            | 25.3             | 396.5          |
| For Unscheduled Downtime More Than 2 Minutes       |           |        |                  |                |                     |             |                  |                  |                |
| Number of Occurrences or Events                    | 23        | 23     | 11               | 0              | 18                  | 1           | 24               | 13               | 96             |
| Events per Hundred Switches                        | 1.4       | 1.7    | 0.8              | 0.0            | 1.1                 | 0.6         | 1.9              | 1.0              | 3.1            |
| Events per Million Access Lines                    | 1.04      | 1.61   | 0.60             | 0.00           | 1.23                | 0.46        | 1.45             | 0.64             | 5.87           |
| Average Outage Duration in Minutes                 | 27.2      | 58.2   | 5.8              | NA             | 79.3                | 20.0        | 188.8            | 43.3             | 216.6          |
| Average Lines Affected per Event in Thousands      | 15.9      | 13.3   | 21.5             | NA             | 24.1                | 25.7        | 25.9             | 27.8             | 2.9            |
| Outage Line-Minutes per Event in Thousands         | 326.7     | 303.1  | 117.8            | NA             | 475.7               | 513.0       | 5,044.0          | 812.0            | 289.1          |
| Outage Line-Minutes per 1,000 Access Lines         | 338.4     | 488.3  | 70.7             | 0.0            | 583.7               | 236.1       | 7,311.7          | 516.7            | 1,696.0        |
| For Scheduled Downtime More Than 2 Minutes         |           |        |                  |                |                     |             |                  |                  |                |
| Number of Occurrences or Events                    | 0         | 18     | 2                | 0              | 1                   | 0           | 3                | 0                | 2              |
| Events per Hundred Switches                        | 0.0       | 1.4    | 0.1              | 0.0            | 0.1                 | 0.0         | 0.2              | 0.0              | 0.1            |
| Events per Million Access Lines                    | 0.00      | 1.26   | 0.11             | 0.00           | 0.07                | 0.00        | 0.18             | 0.00             | 0.12           |
| Average Outage Duration in Minutes                 | NA        | 5.1    | 6.5              | NA             | 4.7                 | 0.0         | 11.3             | 0.0              | 5.5            |
| Avg. Lines Affected per Event in Thousands         | NA        | 8.7    | 4.7              | NA             | 82.3                | 0.0         | 14.7             | 0.0              | 7.2            |
| Outage Line-Minutes per Event in Thousands         | NA        | 33.8   | 30.0             | NA             | 386.9               | 0.0         | 100.3            | 0.0              | 39.3           |
| Outage Line-Minutes per 1,000 Access Lines         | 0.0       | 42.6   | 3.3              | 0.0            | 26.4                | 0.0         | 18.2             | 0.0              | 4.8            |
| % Common Trunk Grps. Exceeding Blocking Objectives | 2.41%     | 1.90%  | 0.00%            | 0.40%          | 0.54%               | NA          | 0.76%            | 1.91%            | 0.32%          |

NA: Not available

Please refer to text for notes and data qualifications

**Table 9.2 (b)**  
**Switch Downtime & Trunk Blocking**  
**Other Companies - 2003**

|  | Alltel   | CenturyTel | Cincinnati Bell | Citizens | Citizens Frontier | Iowa Telecom | Sprint  | Valor    |
|--|----------|------------|-----------------|----------|-------------------|--------------|---------|----------|
| Total Access Lines in Thousands                    | 793      | 626        | 968             | 1,379    | 971               | 257          | 7,776   | 529      |
| Total Trunk Groups                                 | 108      | 232        | 99              | 262      | 273               | 109          | 570     | 213      |
| Total Switches                                     | 243      | 187        | 85              | 207      | 185               | 273          | 1,331   | 292      |
| Switches with Downtime                             |          |            |                 |          |                   |              |         |          |
| Number of Switches                                 | 22       | 3          | 20              | 8        | 44                | 24           | 47      | 26       |
| As a Percentage of Total Switches                  | 9.1%     | 1.6%       | 23.5%           | 3.9%     | 23.8%             | 8.8%         | 3.5%    | 8.9%     |
| Average Switch Downtime in Seconds per Switch      |          |            |                 |          |                   |              |         |          |
| For All Events                                     | 2,830.8  | 357.8      | 279.2           | 137.4    | 1,009.1           | 411.8        | 211.7   | 1,150.3  |
| For Unscheduled Events Over 2 Minutes              | 2,830.8  | 357.8      | 0.0             | 115.9    | 964.9             | 411.8        | 181.4   | 1,150.3  |
| For Unscheduled Downtime More Than 2 Minutes       |          |            |                 |          |                   |              |         |          |
| Number of Occurrences or Events                    | 29       | 3          | 0               | 4        | 22                | 24           | 33      | 33       |
| Events per Hundred Switches                        | 11.9     | 1.6        | 0.0             | 1.9      | 11.9              | 8.8          | 2.5     | 11.3     |
| Events per Million Access Lines                    | 36.57    | 4.79       | 0.00            | 2.90     | 22.67             | 93.51        | 4.24    | 62.38    |
| Average Outage Duration in Minutes                 | 395.3    | 371.7      | NA              | 100.0    | 135.2             | 78.1         | 121.9   | 169.6    |
| Average Lines Affected per Event in Thousands      | 3.6      | 6.4        | NA              | 4.6      | 5.1               | 0.5          | 8.0     | 1.8      |
| Outage Line-Minutes per Event in Thousands         | 862.7    | 3,450.4    | NA              | 545.1    | 2,961.9           | 27.4         | 1,564.6 | 240.5    |
| Outage Line-Minutes per 1,000 Access Lines         | 31,553.1 | 16,525.2   | 0.0             | 1,581.4  | 67,142.1          | 2,558.8      | 6,640.0 | 15,000.3 |
| For Scheduled Downtime More Than 2 Minutes         |          |            |                 |          |                   |              |         |          |
| Number of Occurrences or Events                    | 0        | 0          | 0               | 4        | 3                 | 0            | 12      | 0        |
| Events per Hundred Switches                        | 0.0      | 0.0        | 0.0             | 1.9      | 1.6               | 0.0          | 0.9     | 0.0      |
| Events per Million Access Lines                    | 0.00     | 0.00       | 0.00            | 2.90     | 3.09              | 0.00         | 1.54    | 0.00     |
| Average Outage Duration in Minutes                 | NA       | NA         | NA              | 18.5     | 40.0              | NA           | 23.9    | NA       |
| Avg. Lines Affected per Event in Thousands         | NA       | NA         | NA              | 3.1      | 1.5               | NA           | 17.5    | NA       |
| Outage Line-Minutes per Event in Thousands         | NA       | NA         | NA              | 48.8     | 55.4              | NA           | 125.1   | NA       |
| Outage Line-Minutes per 1,000 Access Lines         | 0.0      | 0.0        | 0.0             | 141.6    | 171.2             | 0.0          | 193.0   | 0.0      |
| % Common Trunk Grps. Exceeding Blocking Objectives | 0.00%    | 0.00%      | 18.18%          | 0.00%    | 0.00%             | 0.00%        | 0.17%   | 0.10%    |

NA: Not available

Please refer to text for notes and data qualifications



**Table 9.3 (a)**  
**Switch Downtime Causes**  
**Bell Companies - 2003**

|   | BellSouth | Qwest | SBC<br>Ameritech | SBC<br>Pacific | SBC<br>Southwestern | SBC<br>SNET | Verizon<br>North | Verizon<br>South | Verizon<br>GTE |
|---|-----------|-------|------------------|----------------|---------------------|-------------|------------------|------------------|----------------|
| Total Number of Outages                             |           |       |                  |                |                     |             |                  |                  |                |
| 1. Scheduled  | 0         | 18    | 2                | 0              | 1                   | 0           | 3                | 0                | 2              |
| 2. Procedural Errors -- Telco. (Inst./Maint.)       | 0         | 0     | 0                | 0              | 1                   | NA          | 1                | 1                | 8              |
| 3. Procedural Errors -- Telco. (Other)              | 6         | 1     | 0                | 0              | 2                   | 0           | 0                | 0                | 0              |
| 4. Procedural Errors -- System Vendors              | 2         | 1     | 2                | 0              | 2                   | 0           | 0                | 0                | 4              |
| 5. Procedural Errors -- Other Vendors               | 0         | 1     | 0                | 0              | 1                   | 0           | 0                | 2                | 1              |
| 6. Software Design                                  | 2         | 2     | 4                | 0              | 3                   | 0           | 2                | 5                | 5              |
| 7. Hardware Design                                  | 3         | 0     | 3                | 0              | 0                   | 0           | 0                | 0                | 0              |
| 8. Hardware Failure                                 | 7         | 13    | 1                | 0              | 9                   | 1           | 11               | 2                | 37             |
| 9. Natural Causes                                   | 0         | 0     | 0                | 0              | 0                   | 0           | 1                | 2                | 9              |
| 10. Traffic Overload                                | 0         | 0     | 0                | 0              | 0                   | 0           | 0                | 0                | 0              |
| 11. Environmental                                   | 0         | 0     | 1                | 0              | 0                   | 0           | 2                | 0                | 3              |
| 12. External Power Failure                          | 2         | 4     | 0                | 0              | 0                   | 0           | 7                | 1                | 26             |
| 13. Massive Line Outage                             | 0         | 0     | 0                | 0              | 0                   | 0           | 0                | 0                | 1              |
| 14. Remote  | 0         | 1     | 0                | 0              | 0                   | 0           | 0                | 0                | 2              |
| 15. Other/Unknown                                   | 1         | 0     | 0                | 0              | 0                   | 0           | 0                | 0                | 0              |
| Total Outage Line-Minutes per Thousand Access Lines |           |       |                  |                |                     |             |                  |                  |                |
| 1. Scheduled  | 0.0       | 42.6  | 3.3              | 0.0            | 26.4                | 0.0         | 18.2             | 0.0              | 4.8            |
| 2. Procedural Errors -- Telco. (Inst./Maint.)       | 0.0       | 0.0   | 0.0              | 0.0            | 44.8                | 0.0         | 6.0              | 110.3            | 60.2           |
| 3. Procedural Errors -- Telco. (Other)              | 68.7      | 10.2  | 0.0              | 0.0            | 41.2                | 0.0         | 0.0              | 0.0              | 0.0            |
| 4. Procedural Errors -- System Vendors              | 18.5      | 21.3  | 27.0             | 0.0            | 14.4                | 0.0         | 0.0              | 0.0              | 37.9           |
| 5. Procedural Errors -- Other Vendors               | 0.0       | 45.6  | 0.0              | 0.0            | 29.8                | 0.0         | 0.0              | 70.9             | 59.1           |
| 6. Software Design                                  | 6.9       | 14.2  | 20.2             | 0.0            | 74.1                | 0.0         | 621.1            | 33.6             | 132.9          |
| 7. Hardware Design                                  | 3.1       | 0.0   | 20.2             | 0.0            | 0.0                 | 0.0         | 0.0              | 0.0              | 0.0            |
| 8. Hardware Failure                                 | 50.6      | 273.6 | 1.3              | 0.0            | 379.5               | 236.1       | 557.3            | 29.1             | 462.1          |
| 9. Natural Causes                                   | 0.0       | 0.0   | 0.0              | 0.0            | 0.0                 | 0.0         | 0.6              | 256.8            | 646.6          |
| 10. Traffic Overload                                | 0.0       | 0.0   | 0.0              | 0.0            | 0.0                 | 0.0         | 0.0              | 0.0              | 0.0            |
| 11. Environmental                                   | 0.0       | 0.0   | 6.7              | 0.0            | 0.0                 | 0.0         | 93.8             | 0.0              | 32.5           |
| 12. External Power Failure                          | 188.8     | 122.8 | 0.0              | 0.0            | 0.0                 | 0.0         | 6,032.9          | 15.8             | 229.0          |
| 13. Massive Line Outage                             | 0.0       | 0.0   | 0.0              | 0.0            | 0.0                 | 0.0         | 0.0              | 0.0              | 1.9            |
| 14. Remote  | 0.0       | 0.5   | 0.0              | 0.0            | 0.0                 | 0.0         | 0.0              | 0.0              | 34.0           |
| 15. Other/Unknown                                   | 1.8       | 0.0   | 0.0              | 0.0            | 0.0                 | 0.0         | 0.0              | 0.0              | 0.0            |

NA: Not available

Please refer to text for notes and data qualifications

**Table 9.3 (b)**  
**Switch Downtime Causes**  
**Other Companies - 2003**

|  | Alltel   | CenturyTel | Cincinnati<br>Bell | Citizens | Citizens<br>Frontier | Iowa<br>Telecom | Sprint  | Valor    |
|--|----------|------------|--------------------|----------|----------------------|-----------------|---------|----------|
| <b>Total Number of Outages</b>                             |          |            |                    |          |                      |                 |         |          |
| 1. Scheduled   | 0        | 0          | 0                  | 4        | 3                    | 0               | 12      | 0        |
| 2. Procedural Errors -- Telco. (Inst./Maint.)              | 4        | 0          | 0                  | 0        | 0                    | 4               | 11      | 7        |
| 3. Procedural Errors -- Telco. (Other)                     | 2        | 3          | 0                  | 0        | 0                    | 0               | 1       | 0        |
| 4. Procedural Errors -- System Vendors                     | 0        | 0          | 0                  | 0        | 0                    | 0               | 0       | 20       |
| 5. Procedural Errors -- Other Vendors                      | 0        | 0          | 0                  | 1        | 1                    | 0               | 0       | 1        |
| 6. Software Design   | 1        | 0          | 0                  | 1        | 0                    | 1               | 1       | 0        |
| 7. Hardware Design   | 0        | 0          | 0                  | 0        | 0                    | 0               | 0       | 0        |
| 8. Hardware Failure  | 11       | 0          | 0                  | 0        | 8                    | 16              | 4       | 0        |
| 9. Natural Causes  | 7        | 0          | 0                  | 1        | 2                    | 1               | 3       | 1        |
| 10. Traffic Overload                                       | 0        | 0          | 0                  | 0        | 0                    | 0               | 0       | 2        |
| 11. Environmental  | 0        | 0          | 0                  | 0        | 0                    | 0               | 0       | 0        |
| 12. External Power Failure                                 | 0        | 0          | 0                  | 1        | 5                    | 0               | 4       | 2        |
| 13. Massive Line Outage                                    | 1        | 0          | 0                  | 0        | 5                    | 2               | 2       | 0        |
| 14. Remote   | 1        | 0          | 0                  | 0        | 1                    | 0               | 3       | 0        |
| 15. Other/Unknown  | 2        | 0          | 0                  | 0        | 0                    | 0               | 4       | 0        |
| <b>Total Outage Line-Minutes per Thousand Access Lines</b> |          |            |                    |          |                      |                 |         |          |
| 1. Scheduled   | 0.0      | 0.0        | 0.0                | 141.6    | 171.2                | 0.0             | 193.0   | 0.0      |
| 2. Procedural Errors -- Telco. (Inst./Maint.)              | 6,048.8  | 0.0        | 0.0                | 0.0      | 0.0                  | 168.4           | 3,580.0 | 2,837.4  |
| 3. Procedural Errors -- Telco. (Other)                     | 1,222.2  | 16,525.2   | 0.0                | 0.0      | 0.0                  | 0.0             | 0.2     | 0.0      |
| 4. Procedural Errors -- System Vendors                     | 0.0      | 0.0        | 0.0                | 0.0      | 0.0                  | 0.0             | 0.0     | 10,583.3 |
| 5. Procedural Errors -- Other Vendors                      | 0.0      | 0.0        | 0.0                | 854.8    | 9.8                  | 0.0             | 0.0     | 428.6    |
| 6. Software Design   | 784.5    | 0.0        | 0.0                | 69.2     | 0.0                  | 92.3            | 9.4     | 0.0      |
| 7. Hardware Design   | 0.0      | 0.0        | 0.0                | 0.0      | 0.0                  | 0.0             | 0.0     | 0.0      |
| 8. Hardware Failure  | 7,012.8  | 0.0        | 0.0                | 0.0      | 398.4                | 1,553.6         | 28.9    | 0.0      |
| 9. Natural Causes  | 13,160.8 | 0.0        | 0.0                | 44.7     | 469.9                | 92.1            | 2,332.1 | 54.1     |
| 10. Traffic Overload                                       | 0.0      | 0.0        | 0.0                | 0.0      | 0.0                  | 0.0             | 0.0     | 971.1    |
| 11. Environmental  | 0.0      | 0.0        | 0.0                | 0.0      | 0.0                  | 0.0             | 0.0     | 0.0      |
| 12. External Power Failure                                 | 0.0      | 0.0        | 0.0                | 612.7    | 66,021.2             | 0.0             | 360.8   | 125.8    |
| 13. Massive Line Outage                                    | 11.3     | 0.0        | 0.0                | 0.0      | 189.9                | 652.5           | 145.4   | 0.0      |
| 14. Remote   | 3,034.2  | 0.0        | 0.0                | 0.0      | 52.9                 | 0.0             | 46.0    | 0.0      |
| 15. Other/Unknown  | 278.6    | 0.0        | 0.0                | 0.0      | 0.0                  | 0.0             | 137.3   | 0.0      |

NA: Not available

Please refer to text for notes and data qualifications

**Table 9.4**  
**Customer Perception Surveys - Percent of Customers Dissatisfied**  
**Bell Companies - 2003**

|                  | BellSouth | Qwest | SBC<br>Ameritech | SBC<br>Pacific | SBC<br>Southwestern | SBC<br>SNET | Verizon<br>North | Verizon<br>South | Verizon<br>GTE |
|------------------|-----------|-------|------------------|----------------|---------------------|-------------|------------------|------------------|----------------|
| Installations:   |           |       |                  |                |                     |             |                  |                  |                |
| Residential      | 6.71      | 5.49  | 8.09             | 6.07           | 7.88                | 7.56        | 6.40             | 5.79             | 4.21           |
| Small Business   | 8.94      | 10.94 | 12.33            | 7.43           | 9.12                | 7.64        | 10.97            | 10.24            | 7.81           |
| Large Business   | 6.80      | NA    | 9.42             | 6.49           | 7.81                | NA          | 2.63             | 1.84             | 2.30           |
| Repairs:         |           |       |                  |                |                     |             |                  |                  |                |
| Residential      | 10.08     | 6.45  | 11.45            | 7.59           | 9.93                | 11.91       | 21.95            | 20.39            | 12.69          |
| Small Business   | 8.24      | 8.33  | 11.62            | 6.36           | 6.58                | 9.25        | 15.97            | 10.43            | 9.38           |
| Large Business   | 6.62      | NA    | 8.91             | 5.07           | 5.97                | NA          | 5.85             | 1.55             | 2.25           |
| Business Office: |           |       |                  |                |                     |             |                  |                  |                |
| Residential      | 8.68      | 1.78  | 9.62             | 5.49           | 9.10                | 7.75        | 7.47             | 7.25             | 6.90           |
| Small Business   | 14.52     | 3.93  | 10.04            | 6.83           | 7.05                | 9.75        | 8.25             | 8.36             | 8.58           |
| Large Business   | 8.92      | NA    | 5.69             | 3.61           | 5.06                | NA          | 6.09             | 4.45             | 9.73           |

NA: Not available

Please refer to text for notes and data qualifications

**Table 9.5**  
**Customer Perception Surveys - Sample Sizes**  
**Bell Companies - 2003**

|                  | BellSouth | Qwest  | SBC<br>Ameritech | SBC<br>Pacific | SBC<br>Southwestern | SBC<br>SNET | Verizon<br>North | Verizon<br>South | Verizon<br>GTE |
|------------------|-----------|--------|------------------|----------------|---------------------|-------------|------------------|------------------|----------------|
| Installations:   |           |        |                  |                |                     |             |                  |                  |                |
| Residential      | 37,912    | 20,755 | 10,626           | 10,657         | 10,794              | 4,667       | 20,189           | 17,420           | 23,290         |
| Small Business   | 41,930    | 8,345  | 10,455           | 10,851         | 10,601              | 2,370       | 18,939           | 17,342           | 21,747         |
| Large Business   | 9,969     | NA     | 4,052            | 3,313          | 2,797               | NA          | 807              | 954              | 564            |
| Repairs:         |           |        |                  |                |                     |             |                  |                  |                |
| Residential      | 30,546    | 11,863 | 10,695           | 12,524         | 10,792              | 2,393       | 20,195           | 17,438           | 21,976         |
| Small Business   | 45,120    | 7,125  | 10,644           | 11,226         | 10,733              | 1,199       | 20,075           | 17,268           | 21,938         |
| Large Business   | 7,829     | NA     | 4,134            | 3,513          | 2,829               | NA          | 710              | 824              | 489            |
| Business Office: |           |        |                  |                |                     |             |                  |                  |                |
| Residential      | 42,183    | 20,511 | 21,212           | 23,811         | 23,997              | 2,982       | 10,434           | 10,713           | 14,950         |
| Small Business   | 11,744    | 8,228  | 20,294           | 23,530         | 17,476              | 1,005       | 3,794            | 4,460            | 4,779          |
| Large Business   | 482       | NA     | 4,570            | 2,232          | 3,521               | NA          | 613              | 738              | 401            |

NA: Not available

Please refer to text for notes and data qualifications

## 10. Infrastructure

The infrastructure information contained in this section is based upon data collected by the FCC as part of its price-cap monitoring procedures.<sup>1</sup> This summary is intended to highlight changes in the use of technology in the local telephone company plant. The data (ARMIS 43-07 reports<sup>2</sup>) upon which this infrastructure summary is based are due April 1 for the previous calendar year. This infrastructure report includes data through 2003.<sup>3</sup> The most recent data were due April 1, 2004. No revisions have been filed in time for inclusion in this summary.

### Background

The data items presented here summarize ARMIS Report 43-07, which is filed by local exchange carriers subject to mandatory price-cap regulation. The information contained in this report is for the years 1993 through 2003. Recent changes to our infrastructure data collection process are reflected in data beginning with data for 2002. A number of items were eliminated from reporting requirements and historical information for these items is no longer shown in this report.<sup>4</sup> Most of the eliminated items relate to switching technologies that have become obsolete or reflect virtually complete deployment of capabilities such as touch-tone capability. New data are being collected on hybrid copper/fiber interfaces in the network but most of the carriers have

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- 1 *Policy and Rules Concerning Rates For Dominant Carriers*, CC Docket No. 87-313, Second Report and Order, 5 FCC Rcd 6786 (1990) (*LEC Price Cap Order*), Erratum, 5 FCC Rcd 7664 (Com. Car. Bur. 1990); *Policy and Rules Concerning Rates For Dominant Carriers*, CC Docket No. 87-313, Memorandum Opinion and Order, 8 FCC Rcd 7474 (Com. Car. Bur. 1993) (*Service Quality Modifications Order*).
  - 2 ARMIS, an acronym for Automated Reporting Management Information System, is a publicly available repository of financial, plant, demand, and quality-of-service data. Additional infrastructure data are contained in the ARMIS 43-08 report. See *Statistics of Communications Common Carriers*, published annually by the Wireline Competition Bureau's Industry Analysis and Technology Division for a compilation of ARMIS 43-08 infrastructure data.
  - 3 See *Infrastructure of the Local Operating Companies Aggregated to the Holding Company Level*, released April 24, 1995 for data for the years 1989 and 1990. Some of the data for those early years are not a part of this summary and may contain discrepancies that make the early data inconsistent with that of later years. Reports containing data for the early years can be found in the infrastructure section of the FCC-State Link Internet site at [www.fcc.gov/web/stats](http://www.fcc.gov/web/stats) under the file names INFRA99.ZIP, INFRA98.ZIP, INFRA95.ZIP, and INFRA93.ZIP. More recent reports can be found in Section 10 of earlier versions of this report on the same web page under the section covering the Commission's Federal-State Joint Board Monitoring Reports.
  - 4 Historical information for the entries that are no longer reported can be found in *Monitoring Reports* released prior to 2003 and in the reports noted in footnote 3.

requested proprietary treatment for the data. As a result, the data are not provided in this public report.

The ARMIS 43-07 reports are filed only by those local exchange companies originally subject to mandatory price-cap regulation--the Bell operating companies (BOCs).<sup>5</sup> Together, these large companies are estimated to serve about 90% of the incumbents' access lines. The data are generally filed at the study area level, which typically consists of a company's operations within a state. The state-by-state data are available from the Commission's ARMIS web page at <<http://www.fcc.gov/wcb/eafs/>>.<sup>6</sup> This web page has been redesigned and provides more features than were previously available. The information summarized in this report is organized into two sets of tables with the following designations: Table 10.1 shows switching system data and gross plant expenditures covering all types of plant. Table 10.2 shows transmission system data. Each set of tables contains segments for each of the regional Bell operating companies (along with Verizon's GTE companies shown separately) with aggregated summary data for all the reporting companies. The data summarized for each holding company reflect the aggregate of data filed for individual states or study areas and should be useful in assessing overall trends. In some cases, refiled data may cause values to differ from prior summary reports. Recent data reflect mergers of GTE and Bell Atlantic, which are now under the name Verizon Communications, and the acquisitions by SBC of Ameritech and Pacific Telesis.

#### Description of the Technologies and Analysis of the Data

The data in the attached tables provide an historical series for a variety of plant elements that illustrate the deployment of technology in the networks of the major local exchange carriers.<sup>7</sup> The data items provide a picture of the well established technologies in use. This report highlights key trends in the evolution of basic telecommunications infrastructure and illustrates the replacement of older technologies with newer ones. In some cases, older technologies either no longer exist or are in very limited use. This report reflects recent revisions to the ARMIS 43-07 report from which the data in this summary are obtained.<sup>8</sup>

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5 See footnote 1.

6 To access ARMIS data from <[www.fcc.gov/wcb/eafs/](http://www.fcc.gov/wcb/eafs/)> click on the words "download ARMIS data" and select the desired report, table and row(s)." To access data instructions and definitions applicable to the 43-07 report click on the words "ARMIS site map" at the top of the second screen and then select the 43-07 report and table desired.

7 A number of irregularities including time series anomalies were noted in the data. The companies are typically notified of these observed problems and either file revisions or explanations. Revisions are initially made available on the ARMIS database website noted above.

8 *2000 Biennial Regulatory Review – Comprehensive Review of the Accounting Requirements and ARMIS Reporting Requirements for Incumbent Local Exchange Carriers: Phase 2; Amendments to the Uniform System of Accounts for Interconnection; Jurisdictional Separations Reform and Referral to the Federal-State Joint Board; and*

ARMIS data currently collected only cover circuit switches that provide a dedicated path through the network for the duration of a call, not routers or switches that are used to handle internet traffic or in connection with frame relay and ATM services that are specifically designed to handle data packets.<sup>9</sup> Almost all of the major local exchange carrier switches are digital. About one-third of these are ISDN capable. However, the rate at which new ISDN switching capability is being added to the networks has slowed considerably, in recent years with 43 additional ISDN capable switches being reported in 2003. In 2003, the reported number of equipped ISDN Primary Rate Interfaces declined about 2 percent, from 558,763 to 547,761. ISDN basic rate services also declined with the use of xDSL technologies, with about 20% fewer reported new Basic Rate Interfaces equipped in 2003 than in 2002.

A number of transmission elements are included in Table 10.2. Definitions for these elements can be found on the Commission's ARMIS website noted above. These illustrate the rapid development of fiber capacity in terms of terminations, sheath kilometers, and links. The number of sheath kilometers of fiber more than doubled over the decade 1993-2003, with more than 28,000 new fiber sheath kilometers being reported in 2003. During the same period, the number of sheath kilometers of copper remained steady at somewhat over 5 million, and other sheath data, in relative terms, were not significant.

Table 10.2 also highlights the relative magnitude of equipped and working channels. Both copper and fiber channels have declined in 2003. Total interoffice circuit links have also declined from last year. Although circuits connecting local central offices could typically be provided on only two fibers, the economics of fiber deployment have resulted in deployments of typical fiber cables containing more than 40 fibers. This suggests that there is a significant amount of fiber capacity currently unused in the *interoffice* transmission plant.<sup>10</sup>

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*Local Competition and Broadband Reporting*, CC Docket Nos. 00-199, 99-301, 97-212, 80-286, Report and Order in CC Docket Nos. 00-199, 97-212, and 80-286, Further Notice of Proposed Rulemaking in CC Docket Nos. 00-199, 99-301, and 80-286, 16 FCC Red 19911 (2001), *recon pending* (Phase 2 Report and Order).

- 9 Remote switches as defined in this report only cover those switches capable of functioning if the host switch fails.
- 10 A large portion of the cost of fiber deployment is associated with labor and installation rather than with the cable itself. Thus, the incremental cost of installing a larger fiber cable is typically relatively small. This suggests that the sheath-kilometer parameter shown in the attached tables may be a better measure of fiber coverage than fiber kilometers. In general, care should be exercised in interpreting aggregate fiber data when determining, for example, whether fiber is concentrated in certain parts of a company's service area with relatively little fiber elsewhere. See *Fiber Deployment Update - End of Year 1998*, released Sept. 9, 1999: <[www.fcc.gov/wcb/iatd/stats.html](http://www.fcc.gov/wcb/iatd/stats.html)>: FIBER98.ZIP (authored by J. Kraushaar, Industry Analysis and Technology Division, Wireline Competition Bureau, Federal Communications Commission).

Although the historical level of growth in fiber has been high, its use in the local loop at present appears to be relatively small. The reporting companies included in this report had an installed base of about 240 million copper-pair mainframe terminations in their central offices for local loop use in 2003. In comparison, about 2.7 million fiber loop central office terminations had been installed by end-of-year 2003. The data show that the number of these terminations actually declined by more than 10% during 2003. In 2003, DS-3 terminations on fiber facilities grew by about 18 %, nearly double the growth in 2002, but still lower than historical growth rates. Fiber and hybrid copper/fiber systems will likely become increasingly important in the local loop as the number of high-quality copper pairs available to support higher data rate digital services declines.

As noted earlier, the data presented in this report do not include data associated with hybrid fiber/copper interfaces including information on offerings of xDSL services for which the companies requested proprietary treatment.<sup>11</sup> Nonetheless the number of ISDN capable lines can be used as an upper bound for potential broadband availability over copper loops, since copper loop characteristics necessary to support ISDN services are also required for newer xDSL services.<sup>12</sup> Readers interested in more disaggregated information may wish to examine data at a more localized level than presented here.<sup>13</sup>

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11 xDSL (Digital Subscriber Loop) services that are now available offer broadband digital capability using special terminal equipment that enhances the capability of existing copper access lines.

12 Table 10.1 includes the number of switch terminations that are available for ISDN and ISDN capable lines. Table 10.2 includes the number of copper loops that are capable of supporting ISDN.

13 Individual study-area data are also available to address more localized issues. This information is available from the ARMIS web page at [www.fcc.gov/web/eafs/](http://www.fcc.gov/web/eafs/).



**Table 10.1**  
**Switching Data**  
**Total - All Companies**

|  | 1993    | 1994    | 1995      | 1996      | 1997      | 1998      | 1999      | 2000      | 2001      | 2002      | 2003      |
|--|---------|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Local Switches                                     | 16,650  | 16,017  | 16,157    | 16,267    | 16,186    | 16,117    | 16,261    | 14,702    | 14,700    | 13,906    | 13,893    |
| Tandems  | 475     | 456     | 470       | 484       | 481       | 493       | 492       | 498       | 516       | 520       | 545       |
| Hosts  | 2,366   | 2,309   | 2,382     | 2,432     | 2,515     | 2,471     | 2,461     | 2,322     | 2,278     | 2,241     | 2,192     |
| Remotes (Stand Alone Only)                         | 6,349   | 6,706   | 7,140     | 7,098     | 7,164     | 7,977     | 8,103     | 7,335     | 7,356     | 7,538     | 7,296     |
| Total Switches                                     | 16,858  | 16,195  | 16,342    | 16,486    | 16,448    | 16,392    | 16,516    | 14,953    | 14,972    | 14,208    | 14,210    |
| Analog Stored Program Control                      | 1,632   | 1,179   | 1,002     | 735       | 558       | 431       | 314       | 200       | 139       | 107       | 114       |
| Digital Stored Program Control                     | 13,733  | 13,987  | 14,601    | 15,356    | 15,722    | 15,961    | 16,202    | 14,753    | 14,833    | 14,101    | 14,096    |
| Total Number Access Lines in Service (000)         | 129,642 | 133,409 | 138,907   | 143,239   | 150,043   | 155,530   | 159,364   | 158,107   | 153,614   | 146,034   | 139,510   |
| Analog Stored Program Control Lines Served         | 42,746  | 33,699  | 29,409    | 24,803    | 21,416    | 16,688    | 11,713    | 7,192     | 4,810     | 3,283     | 2,424     |
| Digital Stored Program Control Lines Served        | 85,549  | 98,799  | 108,903   | 118,149   | 128,470   | 138,842   | 147,651   | 150,915   | 148,804   | 142,752   | 137,087   |
| Total Switches Equipped w/SS7-394 (InterLATA) Svc. | 8,037   | 10,358  | 11,890    | 13,171    | 13,879    | 15,148    | 15,994    | 14,681    | 14,817    | 14,122    | 14,121    |
| Total Switches Equipped with ISDN                  | 2,146   | 2,670   | 3,258     | 3,852     | 4,681     | 5,392     | 5,735     | 5,340     | 5,364     | 5,526     | 5,569     |
| Lines with Access to ISDN (000)                    | 41,970  | 61,549  | 77,523    | 95,113    | 106,575   | 121,408   | 127,357   | 131,003   | 127,382   | 122,420   | 117,534   |
| Basic Rate ISDN (BRI) Interfaces Equipped          | 591,561 | 801,518 | 1,039,456 | 1,507,551 | 1,797,254 | 2,491,509 | 2,720,871 | 2,775,102 | 3,059,482 | 3,143,977 | 2,538,211 |
| Primary Rate ISDN (PRI) Interfaces Equipped        | 5,816   | 15,526  | 32,580    | 67,885    | 136,233   | 234,515   | 334,910   | 429,295   | 551,102   | 558,763   | 547,761   |

Source: ARMIS Report 43-07.

**Table 10.1**  
**Switching Data**  
**BellSouth Companies**

|  | 1993   | 1994   | 1995   | 1996    | 1997    | 1998    | 1999    | 2000    | 2001    | 2002    | 2003    |
|--|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Local Switches                                     | 1,661  | 1,658  | 1,647  | 1,650   | 1,654   | 1,653   | 1,649   | 1,644   | 1,642   | 1,637   | 1,629   |
| Tandems  | 70     | 70     | 71     | 70      | 70      | 71      | 71      | 73      | 77      | 77      | 78      |
| Hosts  | 269    | 280    | 289    | 297     | 317     | 307     | 306     | 297     | 304     | 305     | 295     |
| Remotes (Stand Alone Only)                         | 714    | 732    | 742    | 747     | 766     | 765     | 765     | 776     | 819     | 829     | 877     |
| Total Switches                                     | 1,680  | 1,677  | 1,668  | 1,670   | 1,674   | 1,673   | 1,668   | 1,665   | 1,665   | 1,664   | 1,658   |
| Analog Stored Program Control                      | 236    | 182    | 158    | 130     | 106     | 100     | 83      | 69      | 54      | 44      | 41      |
| Digital Stored Program Control                     | 1,444  | 1,495  | 1,510  | 1,540   | 1,568   | 1,573   | 1,585   | 1,596   | 1,611   | 1,620   | 1,617   |
| Total Number Access Lines in Service (000)         | 19,233 | 20,141 | 21,064 | 22,019  | 23,080  | 23,909  | 24,458  | 24,558  | 23,756  | 22,955  | 22,206  |
| Analog Stored Program Control Lines Served         | 5,929  | 4,837  | 4,455  | 4,020   | 3,746   | 3,536   | 2,972   | 2,362   | 1,729   | 1,309   | 1,154   |
| Digital Stored Program Control Lines Served        | 13,304 | 15,304 | 16,609 | 17,999  | 19,334  | 20,373  | 21,486  | 22,197  | 22,027  | 21,646  | 21,052  |
| Total Switches Equipped w/SS7-394 (InterLATA) Svc. | 1,447  | 1,627  | 1,629  | 1,652   | 1,674   | 1,673   | 1,668   | 1,665   | 1,665   | 1,664   | 1,658   |
| Total Switches Equipped with ISDN                  | 324    | 407    | 467    | 518     | 584     | 596     | 645     | 691     | 678     | 697     | 701     |
| Lines with Access to ISDN (000)                    | 7,606  | 9,708  | 10,988 | 12,948  | 14,894  | 15,980  | 17,413  | 18,396  | 17,660  | 17,457  | 16,927  |
| Basic Rate ISDN (BRI) Interfaces Equipped          | 65,607 | 76,348 | 80,641 | 122,043 | 167,512 | 183,458 | 202,391 | 223,294 | 228,898 | 230,066 | 269,254 |
| Primary Rate ISDN (PRI) Interfaces Equipped        | 1,814  | 3,534  | 4,803  | 9,154   | 21,389  | 33,564  | 51,669  | 72,347  | 85,983  | 81,328  | 81,682  |

Source: ARMIS Report 43-07.